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EARL WARREN, Governor
FRANK B. DURKEE, Director of Public Works
A. D. EDMONSTON, State Engineer

BULLETIN No. 39-Q
SOUTH COASTAL BASIN INVESTIGATION

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

IN

LOS ANGELES, SAN GABRIEL, AND SANTA ANA RIVER BASINS
AND ANTELOPE VALLEY

AND

WATER SUPPLY SUMMARY

FOR SOUTHERN PORTION OF CALIFORNIA

1948



SACRAMENTO, CALIFORNIA

1953

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CONTENTS

	<u>Page</u>
ACKNOWLEDGMENT	iii
ORGANIZATION	iv
FOREWORD	v
CHAPTER I. INTRODUCTION	1
CHAPTER II. WATER CONDITIONS	5
Precipitation	5
Runoff	7
Storage in Surface Reservoirs	9
Importations	11
Quality of Water	12
Changes in Ground Water Levels	17
CHAPTER III. RECORDS OF GROUND WATER LEVELS	29
District A	31
District B	41
District C	55
District D	93
District E	109
San Jacinto Valley	127
Antelope Valley	145
CHAPTER IV. PRECIPITATION RECORDS	153
Monthly, from U. S. Weather Bureau	157
Season, 1947-48	158

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

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FOREWORD

The South Coastal Basin Investigation is concerned with the problems of water supply in the southern coastal region of California. As part of this investigation, Bulletin No. 39 was published in 1932 containing "Records of Ground Water Levels at Wells". Since 1932, water levels at selected wells have been published annually in Bulletins Nos. 39-A through 39-P.

This report, Bulletin No. 39-Q, is the 18th consecutive annual publication and contains water levels for the year 1948. Locations and descriptions of wells were published in Bulletin No. 39 and are shown on Maps 1 through 8, accompanying that bulletin. The locations and descriptions of wells in the San Jacinto Valley and Antelope Valley were first published in Bulletin No. 39-J. They were described by reference to nearby streets and by township, range and section and are shown on maps 9 through 11 included in that bulletin.

A decision was made to publish, in addition to records of ground water levels, seasonal precipitation data within the area. The first such publication of these records was in Bulletin No. 39-A and has continued to be a part of the Bulletin No. 39 series. These precipitation records, supplemented by monthly records of a few key United States Weather Bureau stations, illustrate the distribution of rainfall upon the area. A map showing the location of precipitation stations for which records are published was included

in Bulletin No. 39-A.

A brief discussion of water conditions in the southern portion of the State in 1948 has been incorporated as a part of this bulletin.

CHAPTER I. INTRODUCTION

The coastal area in Southern California, while being one of the most densely populated regions of the State, is an area of deficient water supply. It is because of this disparity that there has been intense activity in water development and water conservation. Besides the development of local supplies, supplemental water has been imported from the Owens and Colorado Rivers and Mono Basin. The intense development of local supplies focussed attention on the importance of compiling basic data appertaining to such supplies and studying the continuing changes in water conditions.

Authorization

The Legislature, by Chapter 832, Statutes of 1929, requested an investigation of plans for the conservation and development of the water resources of California. One of the reports prepared by the Division of Water Resources under Chapter 832, Statutes of 1929, was Bulletin No. 32 published in 1930. This bulletin, entitled "South Coastal Basin", was a progress report consisting of articles by the technical heads of leading public agencies concerned with water problems. Bulletin No. 32 suggested further hydrologic investigations and studies be made.

In order to further the solution of the water problems in the area, the Division of Water Resources undertook a continuing study which has been referred to as the South Coastal Basin Investigation, and this report is issued in connection with that investigation.

Prior Reports

Numerous bulletins have been published from 1932 to date including data on ground water levels, quality of water, value and cost of water for irrigation, water losses and evaporation data, ground water geology, and evaluation of overdraft on ground water basins. These bulletins are listed as follows:

Bulletin No. 32	South Coastal Basin, A Symposium, 1930
Bulletin No. 33	Rainfall Penetration and Consumptive Use of Water in Santa Ana River Valley and Coastal Plain, 1930
Bulletin No. 39	Records of Ground Water at Wells, 1932
Bulletins Nos. 39A through 39P (1933 to 1947)	Annual Reports of Ground Water Levels at Wells and Precipitation Records
Bulletin No. 40	Quality of Irrigation Waters, 1933
Bulletin No. 40A	Detailed Analysis Showing Quality of Irrigation Waters, 1933
Bulletin No. 43	Value and Cost of Water for Irrigation in Coastal Plain of Southern California, 1933
Bulletin No. 44	Water Losses Under Natural Conditions from Wet Areas in Southern California, 1933
Bulletin No. 45	Geology and Ground Water Storage Capacity of Valley Fill, 1934
Bulletin No. 53	Overdraft on Ground Water Basins, 1947

Scope of Report

This report includes in addition to this introductory chapter, Chapter II, Water Conditions; Chapter III, Records of Ground Water Levels; and Chapter IV, Precipitation Records.

In Chapter II, a brief description is given of precipitation,

runoff, storage in surface reservoirs, importations, quality of water and change in ground water levels.

There follows in Chapter III, records of ground water levels for a total of 1,042 wells in the Los Angeles, San Gabriel, and Santa Ana River basins and in Antelope Valley.

In Chapter IV, is presented monthly records of precipitation for ten United States Weather Bureau stations and annual records of precipitation for 281 stations throughout the area.

CHAPTER II. WATER CONDITIONS

Precipitation

The primary source of replenishment of the water basins underlying the South Coastal Area is precipitation on overlying lands and on hills and mountains tributary to them. There is a wide variation in the amount of precipitation upon this area from year to year causing variations in the accretions to the ground water. During the period July, 1947, through June, 1948, precipitation on the Coastal Plain averaged only about 50 per cent of normal based upon the 53-year mean (1883-84 through 1935-36) as shown in Table 1, "Precipitation Indices". The 1947-48 season was the fourth driest period of record and the calendar year 1947 was the driest ever recorded based upon records of the U. S. Weather Bureau Station, at Sixth and Main Streets in Los Angeles.

Mean annual precipitation varies from about 12 inches along the coast to 50 inches near the crest of the mountains. Near Riverside where the Santa Ana Mountains interfere with normal movement of air from the ocean toward the mountains to the north, mean annual precipitation is only 11 inches as compared with 25 inches at about the same elevation in the San Gabriel Valley where there is relatively little interference from the low hills which bound it on the south.

Rainfall intensities were generally light throughout the area with a few scattered storms producing some heavy rainfall of short duration. One such storm occurred in San Pedro on December 5, and produced 0.56 inch in five minutes, 0.74 inch in 10 minutes, and 1.08 inches in one hour.

No major storms occurred during the year.

TABLE 1.

PRECIPITATION INDICES

Based on 53-Year Mean - 1883-84 through 1935-36
 (Rainfall Year - July 1 through June 30)
 1947-48

Group or Station	Index
Bear Valley	65
Chino	52
Coastal Plain	52
Riverside	50
San Bernardino	60
San Fernando	48
San Gabriel Valley	48
San Diego	66*

* Based on 50-year mean (1897-1947).

Runoff

Runoff of precipitation from mountain and hill areas is a major source of replenishment of the ground water supply. As rain falls on these areas it is collected in surface or subsurface streams and reservoirs. A major portion percolates to the underground basins where it remains in storage for future use while the excess flows to the ocean and is wasted. The rate of replenishment of these basins is dependent upon many factors, some of which are: intensity and duration of precipitation, type of soil, and condition of the basin.

A tabulation of runoff in rivers and creeks in the Southern California region for 1947-48 is shown in Table 2 with a comparison of maximum, minimum, and mean runoff for each station.

TABLE 2
ANNUAL RUNOFF
Oct. 1 through Sept. 30
Acre-Feet

Station	Mean ^a	Maximum	Minimum	1947-48		
Ventura River near Ventura	62,100	1940-41	260,000	1898-99	200	46
Sespe Creek near Fillmore	93,900	1940-41	376,000	1898-99	5,000	4,380
Piru Creek near Piru	53,700	1940-41	226,000	1898-99	900	6,630
Arroyo Seco near Pasadena	7,300	1921-22	25,400	1898-99	160	1,200
San Gabriel River near Azusa	122,000	1921-22	410,000	1898-99	9,620	29,100
Santa Ana River near Mentone	70,600	1915-16	280,000	1898-99	16,000	31,200
San Jacinto River near San Jacinto	28,900	1915-16	124,000	1933-34	3,220	267
Santa Margarita River near Ysidora	37,100	1915-16	284,000	1898-99	400	562
San Luis Rey River at Oceanside	62,200	1915-16	355,000	1899-1900	5,500	0
Santa Ysabel Creek near Mesa Grande	22,200	1915-16	95,200	1920-21	3,200	1,200
San Diego River near Santee	52,200	1915-16	352,000	1899-1900	980	25
Tia Juana River near Nestor	47,100	1940-41	334,800	1946-47	2,930	1,650
Mojave River near Victorville	95,300 ^b	1907	202,000	1942	25,800	26,300
Colorado River at Lee Ferry	12,476,000 ^c	1906-07	19,225,000	1933-34	4,396,000	13,689,000
Owens River at Round or Long Valley	160,500 ^d	1906-07	279,200	1930-31	75,900	106,100

a Mean for period 1894-95 through 1946-47.
 b Mean for period 1905-15 and 1937-47.
 c Mean for period 1923-24 through 1951-52.
 d Mean for period 1903-04 through 1946-47.

Storage in Surface Reservoirs

The regulation of underground reservoirs for storage is infeasible in some instances and impossible in others, making it necessary to resort to surface reservoirs for the storage of a part of the natural supply that would waste to the ocean. This has been accomplished with the construction of dams forming such lakes as Lake Mead on the Colorado River, Big Bear Lake, Lake Crowley, Lake Henshaw, and others.

The amount of water in storage in these various reservoirs on September 30, 1948 was, in most cases, far less than the available capacity. In Table 3 is shown the amounts in storage in reservoirs in Southern California at the end of the year 1947-48, and the capacity of each.

TABLE 3

STORAGE IN SURFACE RESERVOIRS IN SOUTHERN CALIFORNIA

Location	Capacity (Acre-Feet)	Storage Sept. 30, 1948 (Acre-Feet)	Per Cent Full	Annual Outflow (Acre-Feet)
Lake Crowley, Mono County	183,743	100,460	55	---
Grant Lake, Mono County	47,500	36,410	77	---
Haiwee Reservoir, Inyo County	60,000	40,170	67	---
Tinemaha Reservoir, Inyo County	16,605	0	0	---
Boquet Reservoir, Los Angeles County	36,200	30,090	83	---
Big Bear Lake, San Bernardino County	72,400	23,210	32	7,700
Santiago Reservoir, Orange County	25,000	4,850	19	9,230
Lake Hemet, Riverside County	14,000	60	0	1,510
Lake Mead, Colorado River	29,827,000	22,002,000	74	13,050,000
Lake Henshaw, San Diego County	203,581	52,820	26	24,860
Morena Lake, San Diego County	50,131	1,830	4	18,740
Barrett Lake, San Diego County	42,798	7,190	17	23,070
Upper Otay Lake, San Diego County	2,565	330	13	830
Lower Otay Lake, San Diego County	56,326	26,220	47	30,520
El Capitan Lake, San Diego County	116,452	5,650	5	10,170
San Vicente Lake, San Diego County	90,234	38,480	43	18,000
Lake Hodges, San Diego County	33,483	3,320	10	9,430
Murray Lake, San Diego County	6,085	4,230	69	9,680
San Dieguito Lake, San Diego County	1,131	930	82	7,880
Lake Loveland, San Diego County	27,700	250	1	1,000
Sweetwater Reservoir, San Diego County	27,689	1,620	6	7,120

Importations

Owens Valley and Mono Basin

The major source of supply for the water needs of the City of Los Angeles is from the Owens Valley and Mono Basin located about 200 miles north of the City. This source of additional supply was developed when it became apparent that the flow of the Los Angeles River would no longer meet the demands of an increasing influx of new residents and of intensive industrial expansion. The snow fed creeks of the High Sierras are stored in Grant Lake and Lake Crowley for release through the 238 mile long Los Angeles Aqueduct to supplement the local supply. During the year 1947-48, 306,000 acre-feet of water was imported from this area.

Colorado River

In the early twenties it became apparent that an additional source of supply would need be developed for the semi-arid regions of Southern California. Attention was focused on the Colorado River and in 1923 the City of Los Angeles conducted a preliminary study of the river as a source of supply, followed, in 1925, by preliminary surveys and investigations. The Metropolitan Water District of Southern California was organized in 1928 with 11 member cities, and in 1930 it took over all engineering and other work from the City. Construction began in 1932, and the first delivery of softened water was made to Pasadena in June, 1941. In 1947-48, a total of 64,000 acre-feet of softened and 59,000 acre-feet of unsoftened water was delivered to member cities and districts. The gross diversion into the aqueduct of about 145,000 acre-feet for the fiscal year 1947-48 represents only about 12 percent of the

right of the Metropolitan Water District to water in the Colorado River.

Quality of Water

The Division of Water Resources has, since 1946, conducted an intensive program of sampling and analyzing surface and ground waters in the South Coastal Basin. These samples were analyzed in the laboratory of the University of California, Citrus Experimental Station in Riverside and included the following determinations: (1) specific electrical conductance; (2) hydrogen ion concentration; (3) carbonate and bicarbonate; (4) chloride; (5) sulfate; (6) nitrate; (7) calcium; (8) magnesium; (9) sodium and potassium. A quantitative analysis for boron was also made.

When conditions are such that extractions from a basin bordering the ocean exceed net recharge over a long period of time, the possibility of sea water intrusion exists. The hydraulic gradient is reversed allowing sea water to flow into the basin, causing degradation of the local supply. This phenomenon has existed in the West Basin for a number of years and is becoming increasingly prevalent along the coast south of Long Beach. An increase in the rate of intrusion has taken place in both of these areas during the past several years.

A tabulation of analyses of samples taken at key wells is shown in Table 4. An inspection of these analyses reveals all samples to be of a good chemical quality.

QUALITY OF WATER

Analysis of Water from South Coastal Basin

Well Number	Location and Description	Date	Specific : cal	Per : Cent	Constituents-- Parts per million																			
					Boron	Sodium	Chloride	Sulfate	Nitrate	Calcium	Magnesium	Sulfate	Chloride	Sulfate	Sulfate									
UPPER SANTA ANA VALLEY																								
D-722C-G-20	East of Pomona 3 mi. NW. of Ontario	3-29-48	27	0.0	15	152	5	16	29	38	12	12												
D-759d-I-20	SE. of Chino 0.1 mi. N. of N. fence of California Institution for Men	3-29-48	27	0.0	12	175	2	18	4	43	9	9												
D-975c-I-25	West of Riverside 5 mi. W. of Riverside, N. of U.S. 60	4-16-48	101	0.2	40	436	69	129	12	87	34	109												
E-59d-G-30	East of San Bernardino 2 mi. south of Highland	11-30-48	24	0.4	27	114	8	13	27	29	7	17												
E-139a-H-33	North of Yucaipa 2 miles north of Yucaipa	3-15-48	51	0.0	33	302	10	60	12	66	14	48												
E-254j-J-34	North of Beaumont 4½ miles N. of Beaumont	12-2-48	34	---	18	201	9	31	7	48	16	19												

* Includes small equivalent quantity of carbonate (CO₃)

QUALITY OF WATER
(continued)

Analysis of Water from South Coastal Basin

Well Number	Location and Description	Date	Specific : Electrical : cal	: Per : : Cent : : Sodium :	: Boron : : ppm : : Ca+Mg :	: Na : : (HCO ₃)* : : (Cl) :	: Chlo- : : ride : : Bicarbonate :	: Sul- : : phate : : Radicle :	: Nitrate : : Radicle : : (NO ₃) :	Constituents--		
										Parts per million	: Cal- : : cium : : (Ca) :	: Mag- : : nesium : : (Mg) :
CENTRAL COASTAL PLAIN												
C-9721-K-16	North of Fullerton 1 mile W. of Brea	5-21-48	128	0.0	33	339	134	279	18	114	54	116
C-1259-Q-14	Huntington Beach NE. Corner Indianapolis and Hampshire	5-20-48	88	0.0	31	389	127	51	4	112	25	77
C-1007e-N-13	Los Alamitos NW. corner Katella and Moody	3-20-48	48	0.0	44	251	15	38	Trace	38	14	55
C-979p-M-16	South of Anaheim On Ball Road, 0.2 mi. E. of Los Angeles St.	1-30-48	52	0.02	25	220	30	48	Trace	61	13	32
SAN FERNANDO VALLEY												
A-24d-B-5	Northwest of San Fer- nando 0.2 mi. S. of inter- section of Polk Ave. and San Fernando Road	11-15-48	65	0.3	30	2-5	32	99	4	72	18	39

* Includes small equivalent quantity of Carbonate (CO₂)

Analysis of Water from South Coastal Basin

(continued)

Well Number	Location and Description	Date	Specific Gravity	Electrical Conductance (K x 10 ⁵ at 25°C)	Boron (ppm)	Sodium + Potassium (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Total Hardness (mg/l)	Constituents-- Parts per million									
										Chloride (mg/l)	Sulfate (mg/l)	Nitrate (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Sulfate (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Sulfate (mg/l)	Calcium (mg/l)

SAN FERNANDO VALLEY (continued)

A-78i-E-6	3 miles E. of Van Nuys NE. corner of Whitsett and Van. Owen	9-14-48	62	0.2	44	190	14	111	2	51	15	53
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A-90t-F-8	1.5 miles W. of Burbank SW. of Verdugo and Catalina Street	11-19-48	53	---	--	176	28	46	-	59	13	--
-----------	--	----------	----	-----	----	-----	----	----	---	----	----	----

LOWER LOS ANGELES RIVER

B-62c-K-9	One mile W. of Watts NE. corner of Mads-worth Avenue & 99th St.	5-24-48	56	0.1	36	175	22	75	Trace	61	12	41
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Wilmington

B-133v-N-9	SE. corner of Lomita and Eudora Streets	5-24-48	43	0.1	64	175	27	4	0	25	8	59
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ANTELOPE VALLEY

5M10W23B	15 miles southeasterly of Palmdale SE. of 129th Street and Pear Blossom Highway	9-14-48	--	0.5	5	244	48	122	0	96	33	7
----------	---	---------	----	-----	---	-----	----	-----	---	----	----	---

* Includes small equivalent quantity of Carbonate (CO₃).

QUALITY OF WATER

(continued)

Analysis of Water from South Coastal Basin

Well Number	Location and Description	Date	Specific Gravity	Electrical Conductance (K x 10 ⁵ at 25°C)	Boron (ppm)	Sodium + Magnesium	Calcium + Magnesium	Chloride	Sulfate	Nitrate	Constituents--		
											Parts per million	(Ca)	(Mg)
4S1W28L	SAN JACINTO VALLEY San Jacinto SE. corner of Lyon & Cottonwood Streets	5-18-49	29	0.0	38	185	12	5	Trace	35	5	25	
4S2W17A	Lakeview SE. corner "Y" Avenue and Hansen Avenue	4-20-49	50	0.05	58	147	75	18	16	43	14	52	

* Includes small equivalent quantity of carbonate (CO₃)

Changes in Ground Water Levels

Four consecutive years of subnormal precipitation, a rapid increase in population, and increased export of sewage to the ocean all combine to deplete the already inadequate supply of water in the South Coastal Area. Following is a brief summary of ground water conditions in subdivisions of the South Coastal Basin, and a table showing changes in elevation of water levels at key wells in these subdivisions.

San Fernando Valley Area

The water table in this area continued to drop for the fourth consecutive year. From the fall of 1947 to the fall of 1948 the drop averaged about four feet.

TABLE 5

SAN FERNANDO VALLEY AREA

CHANGE IN WATER LEVEL ELEVATION-1948

Serial	Location	Year	Water level : elevation		Change : in elev.	Year and extreme water level elevation	
			: Beginning : of record	: Fall : : 1947 : : 1948		: Maximum	: Minimum
A-15	4757A	1920	779.9	780.4	+0.5	7/26/48 781.0	2/25/21 765.9
A-31	4855	1910	686.7	674.9	-11.8	7/12/44 715.4	12/8/31 641.9
A-62a	3620	1922	756.1	756.6	+0.5	2/25/41 766.6	10/10/34 753.3
A-82	3804	1922	610.2	605.7	-4.5	3/22/44 620.8	2/12/32 594.9
A-98	3961	1931	--	897.0	--	10/20/44 941.7	4/1/33 889.3

San Gabriel Valley

Water levels in the valley continued to decline for the fourth consecutive year with only a part of the Raymond Basin Area showing a rise.

TABLE 6

SAN GABRIEL VALLEY AREA

CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	Beginning of record	Water level elevation	Change	Year and extreme water level elevation
Serial	Location	Year	Fall 1947 : Fall 1948 : elev.	Maximum : Minimum
C-16ab				5/2/16 10/16/33
C-16	4043A	1904	657.3 662.9 +5.6	767.4 614.0
C-99				2/22/16 10/12/34
C-130a				
C-130	4163	1900	505.8 493.0 -12.8	578.2 478.0
C-212	2903	1902	258.1 256.7 -1.4	5/6/16 1/2/37 273.2 253.2
C-241	4177	1919	298.3 286.6 -11.7	8/11/44 12/17/34 317.0 264.9
C-294				5/19/16 11/14/31
& C-294a	3030F	1903	291.9 279.0 -12.9	329.1 257.3
C-317	3047	1903	309.0 305.0 -4.0	5/11/18 8/14/34 318.6 279.3
C-337	4329	1919	413.1 399.5 -13.6	1919 11/23/33 437.0 362.8
C-405	4355	1915	549.0 533.0 -16.0	8/1/17 10/28/31 652.0 505.0

West Basin

Water levels in the West Basin continued their downward trend with the exception of the area along the ocean where levels remained at about sea level.

TABLE 7
WEST BASIN
CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	Beginning of record	Year	Water level elevation	Water level elevation	Change in elev.	Year and extreme water level elevation	Year and extreme water level elevation
Serial	Location	Year	1947	1948	elev.	Maximum	Minimum
B-9d & B-10p	2598	1904	10.5	10.3	-0.2	10/13/04 42.8	10/11/48 10.2
B-34i	1311A	1927	-32.8	-36.1	-3.3	4/27 8.5	9/1/48 -39.5
B-90g	733B	1927	-21.4	-23.9	-2.5	12/29/27 0.1	8/27/48 -24.4
B-102m	793B	1910	-23.2	-25.3	-2.1	1910 24.8	5/28/47 -28.3
B-115g	858B	1924	-66.1	-69.1	-3.0	4/11/24 -10.0	7/31/48 -75.8
B-136	381	1923	-4.0	-5.3	-1.3	3/20/23 4.0	9/2/31 -8.0

Central Basin

Elevation of the water table in this area continued to fall with much of the piezometric water surface in the pressure area remaining below sea level. Levels in the forebay area dropped much more than did those in the pressure area.

TABLE 8

CENTRAL BASIN

CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	: Beginning : of record	: Water level : elevation	: 1947	: 1948	: Change: : in	: Year and extreme : water level : elevation	: Maximum	: Minimum
Serial	: Location	: Year	: 1947	: 1948	: elev.:	: Maximum	: Minimum	
B-12n	2626D	1931	-47	-77	-30	2/15/32 27.0	10/14/48 -86.0	
B-51b	1413	1911	33.2	30.1	-3.1	1911 115.6	12/1/48 30.1	
B-70f	1491A	1930	56.4	50.9	-5.5	2/22/30 82.1	9/2/48 49.0	
C-814 &						4/1/44	10/6/36	
C-801b	1620E	1904	139.7	126.9	-12.8	164.7	104.4	
C-894	1062	1925	30.3	15.8	-14.5	3/11/27 58.2	6/24/48 10.3	
C-926	936	1895	-30.7	-39.9	-9.2	July 1895 148.	8/19/46 -46.1	

Coastal Plain Area-Orange County

Ground water levels in the Coastal Plain Area continued to fall at such a rate as to make the intrusion of salt water imminent in the pressure section of the basin. A decided drop in water surface elevation also occurred in the forebay area.

TABLE 9

COASTAL PLAIN AREA, ORANGE COUNTY
CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	Beginning of record	Water level elevation	Year and extreme water level elevation
Serial	Location	Year	Change in elev.: Maximum : Minimum
			Fall 1947 : Fall 1948 : elev. : Maximum : Minimum
C-909	1028B	1903	5.2 -3.9 -9.1 12/19/24 7/27/48 40.8 -24.2
C-968	1746A	1922	300.6 301.5 +0.9 11/23/43 2/26/31 307.4 280.2
C-1097	15640	1922	171.2 163.9 -7.3 8/31/22 1/26/38 198.5 140.8
C-1129j & C-1129m	1189B	1898	21.8 6.9 -14.9 2/22/1898 12/16/48 112.7 6.9
C-1160a	14484A	1922	18.0 8.9 -9.1 6/14/22 8/10/48 63.7 4.8
C-1217a	13451	1927	30.7 23.8 -6.9 12/12/27 9/22/39 67.4 12.7
C-1243	13322	1904	19.7 15.8 -3.9 1904 7/20/48 40.1 11.1
C-1257	13231	1922	1.3 -6.3 -7.6 6/29/22 3/12/48 17.6 -25.4

TABLE 10 (continued)

UPPER SANTA ANA RIVER VALLEY AREA
CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	: Beginning : of record	: Water level : elevation	: : Change:	: : in	: : elev.:	Year and extreme water level elevation	: : Maximum : Minimum
Serial ; Location	: Year	: 1947 1948	: : elev.:	: : elev.:	: : elev.:	: : elev.:	: : elev.:
E-109 18080	1892	1119.9 1110.6	-9.3			Feb. 1894 1153.2	10/24/36 1093.7
E-136 18228	1927	2183.9 2167.6	-16.3			5/2/27 2247.4	10/5/48 2167.6
E-192 17012	1928	779.9 775.7	-4.2			2/28/28 783.8	9/17/34 761.2
E-240 17383	1921	2261.4 2259.9	-1.5			5/6/27 2284.9	10/5/48 2259.9

Antelope Valley Area

The water situation has become increasingly critical in Antelope Valley with the water table receding at the rate of about three feet per year for the past quarter century.

TABLE 11

ANTELOPE VALLEY AREA

CHANGE IN WATER LEVEL ELEVATION--1948

Well Number	Location: State	Year	Beginning of record	Year and extreme water level elevation	Change in elev.	Year and extreme water level elevation	Year and extreme water level elevation
			1947	1948		Maximum	Minimum
BUTTES BASIN							
8831	6N-10W-20A	1940	2473.8	2441.0	-32.8	3/14/45 2501.6	12/27/48 2441.0
LANCASTER BASIN							
8690	6N-12W-24A	1927	--	--	--	12/5/28 2399.0	2/11/39 2352.6
8682	6N-12W-25A	1927	2356.4	2360.7	+4.3	12/6/27 2413.0	3/3/48 2355.1
9897	6N-13W-12A	1940	2360.5	2358.9	-1.6	5/31/40 2373.8	12/13/48 2358.9
10101	7N-11W-24A	1932	2293.4	2287.5	-5.9	4/8/32 2359.6	8/25/48 2280.6
11259B	7N-12W-15C	Prior to 1924	2298.7	2294.1	-4.6	Prior to '24 2356.5	10/15/48 2284.8
11119	7N-13W-17A	1937	2307.0	2296.4	-10.6	3/8/39 2336.1	11/30/48 2296.4
9864A	7N-13W-35A	1937	2256.0	2249.2	-6.8	3/8/39 2313.8	12/15/48 2249.2

TABLE 11 (continued)

ANTELOPE VALLEY AREA

CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	Beginning of record	Water level elevation	Change in elev.	Year and extreme water level elevation
Location: State	Year	Fall 1947	Fall 1948	Maximum Minimum
LANCASTER BASIN (con't)				
11450	8N-10W-9A	1921	2294.0 2292.1	-1.9 4/29/22 12/27/48 2308.4 2292.1
11363B	8N-11W-22A	1937	2254.9 2245.6	-9.3 3/10/39 11/9/48 2289.4 2245.6
11252	8N-12W-22A	1910	2291.1 2289.3	-1.8 1910 10/14/48 2323.0 2278.9
12389	8N-14W-12A	1940	2344.3 2331.8	-12.5 11/24/42 12/8/48 2358.4 2331.8
12424	9N-13W-20A	1921	2355.6 2352.3	-3.3 4/29/22 10/14/48 2394.0 2347.6
NEENACH BASIN				
10976	8N-15W-36A	1943	2713.0 --	-- 12/8/47 12/1/43 2713.0 2700.2
10791	8N-16W-18A	1942	2900.8 2898.8	-2.0 7/29/44 11/14/42 2909.8 2892.9
ROCK CREEK BASIN				
8826A	5N-10W-7A	1938	2692.4 2680.6	-11.8 3/15/45 12/14/48 2699.4 2680.6
7700	5N-10W-26A	1940	3107.3 3104.8	-2.5 3/15/45 12/5/42 3112.1 3103.7
8787	5N-11W-10A	1927	2743.8 2739.8	-4.0 7/18/41 8/13/38 2793.2 2690.5
10338	6N-8W-18A	1939	2563.7 --	-- 11/18/39 9/7/45 2566.0 2562.5
8934	6N-9W-31A	1940	2803.9 2799.7	-4.2 5/15/44 11/25/40 2823.0 2791.6

San Jacinto Valley Area

Ground water levels in this area continued to drop during the 1947-48 year, averaging about five feet over the entire area.

TABLE 12

SAN JACINTO VALLEY AREA
CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	: Beginning: Water level	: of record: elevation	: Change:	: Year and extreme	: water level	
State	: Year	: 1947	: 1948	: elev.:	: Maximum : Minimum	
LAKEVIEW-NUEVO VALLEY						
4S-2W-7A	1904	1357.1	1354.0	-3.1	5/28/12 1417.0	9/28/48 1352.0
MENIFEE VALLEY						
6S-2W-6B	1940	1374.3	1374.4	+0.1	1/8/42 1382.0	10/11/48 1370.5
6S-3W-4A&B	1914	1382.3	1375.1	-7.2	5/6/16 1410.3	9/8/48 1372.4
PERRIS VALLEY						
3S-3W-22A	1906	1452.2	1449.2	-3.0	4/7/42 1467.1	8/12/48 1425.4
4S-3W-32A&C	1904	1370.5	1369.9	-0.6	6/20/05 1403.1	5/10/40 1358.7
4S-4W-1A&F	1904	1462.9	1461.8	-1.1	5/23/46 1464.5	5/5/16 1456.2
5S-3W-10A	1904	--	--	--	4/23/08 1384.9	1/17/46 1304.1
PICO-HEMET VALLEY						
4S-1W-29B	1921	1462.1	--	--	3/15/22 1495.8	7/27/48 1446.7
5S-1W-2I	1905	1513.6	1508.8	-4.8	10/18/12 1530.2	11/19/45 1491.5

TABLE 12 (continued)

SAN JACINTO VALLEY AREA
CHANGE IN WATER LEVEL ELEVATION-1948

Well Number	: Beginning : of record	: Water level : elevation	: Fall : Fall	: Change : in	: Year and extreme : Water level : elevation	: Maximum	: Minimum
State	: Year	: 1947	: 1948	: elev.	: elev.	: Maximum	: Minimum
PICO-HEMET VALLEY							
5S-2W-24B	1914	1463.3	1457.2	-6.1	5/6/16 1494.7	8/11/48 1448.6	
6S-1W-10A	1942	1651.8	1647.6	-4.2	1/13/44 1661.8	12/3/48 1647.6	
SAN JACINTO VALLEY							
3S-2W-35A	1921	1374.9	1403.1	+32.6	2/26/24 1429.0	6/19/47 1369.5	
4S-1W-15B	1915	1477.0	1466.2	-10.8	Flowing Prior to 6/12/45 1492.	9/28/48 1445.0	
4S-1W-35D 4S-1W-36A	1904	1522.9	--	--	Nov. 1915 1583.	8/22/48 1501.9	
5S-1E-14A	1939	1697.2	1715.7	+18.5	4/8/42 1854.3	1/21/48 1697.2	
WINCHESTER VALLEY							
5S-2W-27E2F	1905	--	1440.7	--	5/22/22 1463.4	9/17/46 1433.6	

CHAPTER III. RECORDS OF GROUND WATER LEVELS

A tabulation of distance to water surface for a total of 1,042 wells in the Los Angeles, San Gabriel, and Santa Ana River basins and in Antelope Valley is presented on the pages that follow. These records are a continuation of those published in the Bulletin No. 39 Series.

CHAPTER III. THE HISTORY OF GREAT BRITAIN.

A TREATISE OF THE HISTORY OF GREAT BRITAIN, FROM THE FIRST SETTLEMENT OF THE ISLANDS, TO THE PRESENT TIME. BY SAMUEL JOHNSON, ESQ. VOL. I. LONDON, Printed by W. Baskett, in Pall-mal, 1781.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "A"

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1945			1948	
A-3b-B-6 1245.	Mar.	abc 107.	A-9-D-3 880.0	Apr. 5 d	65.8
	Apr.	abc 109.		Nov. 12 d	65.2
	Dec.	abc 119.	A-10-E-3 792.7	Jan. 7	10.9
	1946			Jan. 28 b	11.2
	Mar. 26	abc 115.		Feb. 9	11.1
	June	abc 120.		Mar. 9	11.3
	Aug.	abc 123.		Apr. 7	10.9
	Nov.	abc 119.		May 5	11.4
	Dec.	abc 123.		June 16	12.1
	1948			July 13	11.8
				Aug. 4	12.2
				Sep. 15	12.4
A-4c-B-6 *1226.7	Apr. 2 b	18.3		Oct. 6	12.8
	Nov. 15 b	19.2		Nov. 9	12.6
				Dec. 8	12.7
A-4e-B-6 1281.8	Jan. 8 b	35.3	A-12-D-3 830.	Apr. 5 b	19.4
	Apr. 2 b	36.4		Nov. 15 b	19.6
	Nov. 10 b	39.7	A-13-D-3 825.9	Jan. 6	26.3
A-5a-C-2 **	Jan. 6	11.2		Feb. 3	26.2
	Feb. 3	9.9		Mar. 2	26.2
	Mar. 2	9.8		Mar. 17	26.5
	Mar. 22	9.5		May 11	26.5
	Apr. 13	9.6		June 8	26.6
	May 11	9.6		July 7	26.8
	June 8	9.9		Aug. 11	27.0
	July 7	10.0		Sep. 1	27.0
	Aug. 11	9.8		Oct. 5	27.1
	Sep. 1	10.4		Nov. 9	27.2
	Oct. 5	11.2		Dec. 14	27.1
	Nov. 9	11.4	A-15-D-4 791.2	Jan. 28 b	11.1
	Nov. 23	11.4		Feb. 27 b	10.8
	Dec. 14	11.0		Mar. 30 b	10.4

* New elevation; R.P. changed.

** Correction to all previous bulletins: R.P. elevation should be 957.8 to and including April 11, 1945; then 956.4 to and including November 4, 1947; then 959.4 from levels by L.A. Co. F.C.D.

a Measurement by City of San Fernando.

b Measurement from Los Angeles Department of Water & Power.

c Air gage measurement.

d Measurement by Los Angeles Department of Water and Power

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1947	
A-15-D-4	Apr. 20	10.2	A-26-D-5	Oct. 7	185.1
Cont.	May 12	10.2	879.0	Nov. 4	185.7
	June 21	10.3		Dec. 2	186.2
	July 26	10.2			
	Aug. 23	10.2		1948	
	Sep. 20	10.5		Jan. 6	187.0
	Nov. 15	10.8		Feb. 3	187.6
	Dec. 27	10.6		Mar. 2	188.1
A-18a-D-4	Apr. 5 ab	120.3		Apr. 6	188.9
869.1	Nov. 16 ab	122.6		May 4	189.6
				June 1	190.3
A-18c-D-4	Mar. 22 b	50.7		July 6	191.7
783.	Nov. 23 b	50.8		Aug. 3	192.6
				Sep. 7	193.8
A-22-D-5	Apr. 5 ab	166.5		Oct. 5	194.9
862.5	Nov. 16 ab	172.7		Nov. 2	195.7
				Dec. 7	196.5
A-24-B-5	Mar. 23 b	27.6			
1158.4	Nov. 22 b	36.2	A-27-D-5	Jan. 6 b	105.6
			798.0	Feb. 3 b	105.9
A-24a-C-5	Jan. 6 bc	11.9		Mar. 2 b	106.2
1120.7	Feb. 3 b	12.8		Apr. 13 b	106.5
	Mar. 2 b	11.9		May 11 b	103.4
	Mar. 23 b	11.6		June 8 b	103.9
	Apr. 13 b	11.0		July 6 b	104.4
	May 11 b	13.1		Aug. 3 b	104.9
	June 8 b	15.8		Oct. 20 b	106.5
	July 7 bc	15.8		Nov. 23 b	106.9
	Aug. 11 b	5.1			
	Sep. 11 b	5.0	A-27a-D-5	Jan. 6	105.4
	Oct. 5 b	11.6	793.1	Feb. 3	105.8
	Nov. 8 b	6.0		Mar. 9	106.4
	Nov. 22 b	6.7		Apr. 1	106.8
	Dec. 14 b	6.0		May 11	107.6
				June 8	108.1
A-24b-C-5	Apr. 5	22.9		July 6	108.7
1033.8	Nov. 18	23.0		Aug. 3	109.3
				Sep. 14	110.3
				Oct. 12	111.0
				Nov. 16	111.8
				Dec. 28	112.7

a Measurement by Los Angeles Department of Water & Power.

b Measurement from Los Angeles County Flood Control District.

c Pumping nearby.

Measurements from Los Angeles Department of Water & Power except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface Feet
1948			1948		
A-28b-B-6 1130.7	Jan. 6	9.4	A-37-C-7 1203.8	Apr. 2	b 184.1
	Feb. 3	6.0		Nov. 10	b 188.2
	Mar. 3	5.8	A-39-D-7 898.2	Jan. 22	228.6
	Apr. 13	6.2		Jan. 28	a 228.8
	June 8	11.7		Feb. 3	229.0
	July 7	12.7		Mar. 22	230.3
	Sep. 1	15.5		Mar. 24	a 230.4
	Nov. 9	14.2		Apr. 23	a 231.3
	Dec. 14	13.6		May 19	a 232.5
	A-31-D-6 903.0	Jan. 28		a 217.4	June 23
Mar. 22		224.2		July 13	235.5
Mar. 30		a 218.6		July 22	a 236.0
June 23		a 223.6	Aug. 19	a 237.8	
July 13		232.0	Sep. 22	a 239.9	
Aug. 19		223.9	Oct. 21	a 241.8	
Oct. 21		a 226.7	Nov. 9	242.6	
Dec. 28		a 228.1	Nov. 19	a 244.0	
A-31a-D-6 820.2	Apr. 13	a 145.9	A-41-C-7 1099.1	Apr. 2	a 36.0
	Oct. 20	a 154.4		Nov. 10	a 37.4
	Nov. 16	a 154.2	A-43-E-7 713.7	Jan. 6	c 111.1
	Dec. 28	a 154.9		Feb. 3	c 110.9
A-35-D-6 886.6	Jan. 28	a 211.2		Mar. 9	c 110.9
	Feb. 17	211.4		Apr. 6	c 110.9
	Feb. 27	a 211.8		May 4	c 113.0
	Mar. 22	212.3		June 3	c 115.9
	Mar. 30	a 212.4		July 7	c 119.0
	Apr. 23	a 213.0		Aug. 3	c 121.8
	May 21	a 214.1	Sep. 7	c 124.6	
	June 23	a 215.5	Oct. 5	c 126.3	
	July 13	216.4	Nov. 3	c 126.4	
	July 22	a 217.0	Dec. 7	c 124.6	
	Aug. 19	a 218.2	A-44-C-7 1164.1	Jan. 6	41.2
	Sep. 22	a 219.8		Feb. 3	40.8
Oct. 21	a 221.4	Mar. 2		40.8	
Nov. 9	222.2	Mar. 23		41.4	
Nov. 19	a 222.3				
Dec. 28	a 223.4				

a Measurement from Los Angeles Department of Water & Power.

b Measurement by Los Angeles Department of Water & Power.

c Measurement by City of Burbank.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet
1948				1948			
A-44-C-7 Cont.	Apr. 13	a	41.9	A-58d-E-3 Cont.	Nov. 9		13.4
	May 11	a	43.1		Nov. 25	a	13.5
	June 8	a	44.0	A-60-E-3 793.6	Apr. 2		14.1
	July 7	a	44.5		Nov. 9		15.0
	Aug. 11	a	43.5	A-62a-E-3 769.9	Jan. 29		13.2
	Sep. 2	a	43.8		Feb. 27		13.0
	Oct. 5	a	45.0		Mar. 16		12.6
	Nov. 8	a	46.5		Apr. 16		12.5
	Dec. 14	a	48.1		May 12		13.2
A-45-C-8 1159.8	Apr. 1		24.8		June 21		13.5
	Nov. 12		26.0		July 26		13.4
A-48-C-8 1286.1	Mar. 23	a	46.7		Aug. 23		13.6
	Apr. 1		46.9		Sep. 21		13.5
	Nov. 17		52.8		Nov. 12		13.4
	Nov. 22	a	52.8		Dec. 27		12.9
A-49-C-8 1448.5	Apr. 1	b	107.6	A-66b-E-4 729.5	Jan. 7	a	10.6
					Feb. 9	a	10.4
A-53-D-10 2022.	Mar. 22	a	102.4		Mar. 9	a	10.6
	Nov. 12	ac	96.		Apr. 2		10.6
A-54d-D-10 1726.3	Apr. 6	de			Apr. 7	a	10.6
	Dec. 7	de			May 5	a	10.6
A-54e-D-10 1498.	Mar. 22	a	57.2		June 16	a	10.5
	Apr. 6	e	57.3		July 13	a	10.5
	Nov. 22	a	58.2		Aug. 4	a	9.8
	Dec. 8	e	58.2		Sep. 15	a	10.5
A-56-E-2 836.9	Apr. 6		35.2		Oct. 6	a	10.8
	Nov. 9		37.5	A-70-E-5 719.1	Nov. 9	a	11.3
A-56d-E-2 882.7	Apr. 6		28.4		Nov. 12		11.1
	Nov. 9		28.9	A-71a-E-5 723.9	Dec. 8	a	11.2
A-58d-E-3 798.6	Mar. 18	a	12.4		Apr. 2		26.4
	Apr. 2		12.4		Nov. 8		27.8

a Measurement from Los Angeles County Flood Control District.

b Pumping nearby.

c Measurement by driller.

d Dry at 191.6 feet.

e Measurement from Division of Water Resources.

Measurements from Los Angeles Department of Water & Power except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
A-72-E-5 732.5	Apr. 2	a 41.2	A-76-E-6 707.2	Jan. 7	45.3
	Nov. 8	a 43.2		Feb. 9	45.6
				Mar. 9	46.0
A-73-E-5 690.1	Jan. 7	16.2		Apr. 7	46.4
	Feb. 9	16.2		May 5	48.6
	Mar. 9	16.3		June 16	52.5
	Apr. 7	16.1		July 13	55.0
	May 5	16.1		Aug. 4	55.8
	June 16	16.4		Sep. 15	58.8
	July 13	16.5		Oct. 6	59.5
	Aug. 4	16.6		Nov. 9	55.4
	Sep. 15	17.0		Dec. 8	55.1
	Oct. 6	17.1			
	Nov. 9	17.3	A-77b-E-6 681.3	Jan. 7	27.0
	Dec. 8	17.4		Feb. 8	27.2
				Mar. 9	27.5
A-74-E-5 732.6	Jan. 7	58.0		Apr. 1	a 27.8
	Feb. 9	59.4		Apr. 7	27.8
	Mar. 9	59.8		May 5	30.4
	Apr. 7	60.2		June 16	33.6
	May 5	61.6		July 13	36.4
	June 16	63.3		Aug. 4	37.2
	July 13	65.5		Sep. 15	38.8
	Aug. 4	66.4		Oct. 6	40.9
	Sep. 15	68.4		Nov. 9	36.9
	Oct. 6	68.9		Nov. 26	a 36.7
	Nov. 9	67.7		Dec. 8	36.5
	Dec. 8	67.6			
			A-78d-E-6 698.4	Jan. 7	60.2
A-75-F-6 654.3	Jan. 7	11.0		Feb. 9	60.2
	Feb. 9	10.2		Mar. 9	60.2
	Mar. 9	11.2		Apr. 1	a 60.7
	Apr. 7	10.4		Apr. 7	60.2
	May 5	10.6		May 5	60.3
	June 16	11.0		June 16	61.2
	July 13	11.4		July 13	62.0
	Aug. 4	11.6		Aug. 4	64.8
	Sep. 15	11.8		Sep. 15	69.0
	Oct. 6	11.9		Oct. 6	70.6
	Nov. 9	11.9		Nov. 9	72.3
	Dec. 8	11.6		Nov. 26	a 72.4
				Dec. 8	72.4

a Measurement from Los Angeles Department of Water & Power.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
A-80-E-6 697.8	Jan. 7	60.8	A-81h-E-7 Cont.	May 5	44.9
	Feb. 9	59.9		June 16	47.4
	Mar. 9	60.0		July 13	49.2
	Apr. 7	60.1		Aug. 4	50.9
	May 5	65.8		Sep. 15	54.1
	June 16	70.6		Oct. 6	55.5
	July 13	74.0		Nov. 9	b
	Aug. 4	74.9	A-82-F-6 633.9	Apr. 2	a 24.9
	Sep. 15	78.7		Nov. 26	a 28.2
	Oct. 6	80.4	A-84-E-7 627.7	Apr. 1	a 38.7
	Nov. 9	76.9		Nov. 10	a 48.9
	Dec. 8	72.7	A-85c-F-7 596.1	Mar. 18	1.9
A-80c-E-7 713.7	Apr. 1	a 87.0		Apr. 2	a 1.8
A-81d-E-6 656.8	Jan. 7	28.9		Nov. 24	8.2
	Feb. 9	29.0		Nov. 30	a 8.1
	Mar. 9	29.2	A-85e-F-7 575.1	Apr. 2	21.3
	Apr. 7	29.2		Nov. 26	26.4
	May 5	29.8	A-86-E-7 652.3	Jan. 6	c 63.2
	June 16	30.8		Feb. 3	c 62.9
	July 13	31.0		Mar. 9	c 63.1
	Aug. 4	32.5		Apr. 6	c 63.0
	Sep. 15	34.1		Dec. 28	cd
	Oct. 6	35.1	*A-86f-E-7 689.7	Jan. 5	c 96.9
	Nov. 9	33.3		Feb. 2	c 96.7
	Dec. 8	36.1		Mar. 1	c 96.5
A-81h-E-7 658.6	Jan. 7	43.4		Apr. 5	c 96.7
	Feb. 9	44.3		Apr. 26	c 97.3
	Mar. 9	44.2			
	Apr. 7	44.1			

* Correction to Bulletin 39: Owner--Bigger.. Location and description--
708 feet east of Hollywood Way, 233 feet south of Winona Avenue.
Reference point--Pump base, 1.0 feet above ground. Elevation of
reference point--689.7, from levels by City of Burbank. Use--Unknown.
Depth of well--160 feet. Diameter of casing--Unknown. Other numbers
used--L.A. Co. F.C.D. No. 3850A; L.A.D. of W. & P. No. 87A; City of
Burbank No. 138.

a Measurement from Los Angeles Department of Water & Power.

b Dry at about 60 feet.

c Measurement by City of Burbank.

d Dry.

Measurements from Los Angeles County Flood Control District except as
noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet
	1948				1948		
A-86f-E-7	May 4	a	97.4	A-89d-E-8	July 7	a	51.6
Cont.	June 3	a	99.9	Cont.	Aug. 3	a	53.6
	July 7	a	102.5		Sep. 7	a	56.1
	Aug. 3	a	105.1		Oct. 5	a	57.7
	Sep. 7	a	109.7		Nov. 3	a	58.3
	Sep. 21	b			Dec. 7	a	58.7
					Dec. 28	a	57.6
A-87c-E-7	Jan. 6	a	26.6	A-90-E-8	Apr. 6	c	18.0
*592.2	Feb. 3	a	26.5	570.0			
	Mar. 9	a	26.5	A-93-E-8	Jan. 6	a	40.0
	Apr. 6	a	26.4	566.6	Feb. 3	a	32.3
	May 4	a	26.6		Mar. 9	a	40.6
	June 3	a	27.3		Apr. 6	a	29.9
	July 7	a	28.5		May 4	a	41.0
	Aug. 3	a	29.7		June 3	a	41.5
	Sep. 7	a	31.4		July 7	a	42.8
	Oct. 5	a	32.9		Aug. 10	a	43.3
	Nov. 3	a	34.3		Sep. 7	a	44.3
	Dec. 7	a	35.2		Oct. 5	a	44.6
	Dec. 28	a	35.9		Nov. 3	a	45.5
A-88-F-8	Jan. 27	c	21.4		Dec. 7	a	45.5
546.8	Feb. 27	c	21.1	A-93L-E-8	Jan. 6	a	39.5
	Mar. 31	c	20.7	509.3	Feb. 3	a	39.6
	Apr. 23	c	21.5		Mar. 9	a	39.6
	May 24	c	21.8		Apr. 5	c	39.7
	June 21	c	22.2		Apr. 6	a	39.8
	July 29	c	22.9		May 4	a	41.6
	Aug. 18	c	23.2		June 3	a	42.0
	Sep. 22	c	24.5		July 7	a	42.4
	Oct. 21	c	24.1		Aug. 3	a	42.8
	Nov. 19	c	24.3		Sep. 7	a	44.1
	Dec. 29	c	24.1		Oct. 5	a	44.4
A-89d-E-8	Jan. 6	a	46.6		Nov. 3	a	44.2
620.9	Feb. 3	a	46.9		Nov. 4	c	44.0
	Mar. 9	a	47.6		Dec. 7	a	44.0
	Apr. 6	a	46.7		Dec. 28	a	43.4
	May 4	a	48.5				
	June 3	a	49.3				

* Correction to Bulletin 39-P; R.P. elevation should be 592.2.

a Measurement by City of Burbank.

b Caved in at 99.5 feet.

c Measurement from Los Angeles Department of Water & Power.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
A-98-E-10 965.2	Feb. 20	a 71.2	A-98-E-10	Aug. 19	a 66.7
	Mar. 25	a 69.0	Cont.	Sep. 9	a 61.2
	Apr. 1	a 69.2		Oct. 21	a 67.2
	June 10	a 72.2		Nov. 5	a 68.2
	July 8	a 70.2		Dec. 16	a 70.2

a Air gage.

Measurements by Glendale Water Department from Los Angeles County Flood Control District except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "B"

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface Feet
	1948			1948	
B-3-I-5	Mar. 29	104.1	B-14-G-8	Jan. 8	27.8
*114.	Dec. 13	103.4	290.	Mar. 3	29.8
				June 10	26.1
B-6d-H-6	Mar. 23	116.1		Sep. 14	26.4
195.8	Nov. 23	115.3		Nov. 15	26.4
B-7d-I-6	Mar. 3	a 155.6	B-14d-G-8	Apr. 14	43.2
123.5	Mar. 22	a 143.3	335.9	Dec. 6	44.4
	May 14	a 144.2			
	June 28	a 144.4	B-15-I-8	Mar. 3	76.2
	July 26	a 145.0	**110.7	June 10	78.2
	Aug. 26	a 146.1		Aug. 12	78.5
	Sep. 28	a 145.2			
B-10o-I-6	Mar. 23	123.8	B-18-H-9	Apr. 12	132.4
54.0	Nov. 23	122.0	225.	Dec. 14	135.2
B-10p-I-6	Jan. 8	73.8	B-18a-H-9	Apr. 12	140.2
84.6	Feb. 13	73.8	232.	Dec. 14	141.7
	Mar. 3	73.8			
	Apr. 22	74.0	B-22e-I-10	Jan. 7	b 230.
	May 12	74.0	***201.7	Feb. 4	b 230.
	June 10	74.0		Mar. 4	b 230.
	Aug. 12	74.2		Apr. 8	b 226.
	Sep. 16	74.3		May 5	b 230.
	Oct. 14	74.4		Dec. 3	b 232.
	Nov. 15	74.3	B-23-I-5	Jan. 7	23.0
B-11b-G-7	Mar. 23	101.6	22.2	Feb. 11	22.1
293.2	Nov. 23	101.6		Mar. 2	23.2
B-12-H-7	Mar. 31	72.0		Apr. 22	23.2
100.	Dec. 6	74.4		May 12	23.2
B-13-I-6	Apr. 20	49.6		June 15	23.6
68.0	Nov. 23	56.3		July 8	23.2
				Aug. 12	23.3
				Sep. 16	23.6
				Oct. 14	23.8
				Nov. 16	23.8

* Corrections: Beginning with Bulletin 39-I, R.P. elevation should be 114

** Correction to all previous bulletins: Corrected levels by Los Angeles Department of Water & Power.

*** Correction to all previous bulletins, from levels by City of Vernon. a Measurement from Division of Water Resources.

b Air gage, measurement by owner.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
B-27d-J-6 *15.6	Feb. 2	21.0	B-31-J-6 **143.0	Feb. 2	149.5
	Mar. 3	21.2		Mar. 3	154.3
	Mar. 22	21.0		Mar. 22	152.1
	May 14	22.4		May 17	152.2
	June 7	22.6		June 7	155.2
	June 28	21.0		June 28	158.6
	July 26	22.5		July 26	158.1
	Aug. 26	22.8		Aug. 26	160.3
	Sep. 28	22.1		Sep. 28	159.7
	Oct. 29	21.5		Dec. 31	161.1
	Nov. 30	21.4			
	Dec. 28	21.2	B-36b-K-6 *142.4	Feb. 4	159.5
B-28-J-6 83.9	Jan. 27	a 81.5		Mar. 5	159.5
	Feb. 28	a 81.4		May 17	159.9
	Mar. 27	a 81.6		June 7	160.3
	Apr. 27	a 81.6		July 1	160.1
	June 26	a 81.8		July 26	161.5
	July 27	a 81.8		Aug. 26	161.9
	Aug. 27	a 81.8		Sep. 29	160.8
	Sep. 27	a 81.9		Oct. 28	160.5
	Oct. 27	a 82.0		Nov. 29	160.4
	Nov. 27	a 82.0		Dec. 30	160.5
	Dec. 27	a 82.0	B-37-L-7 154.4	Apr. 14	bc
B-28c-J-6 *130.6	Feb. 4	132.8			
	Mar. 8	133.8	B-44-K-8 ***84.2	Feb. 2	102.0
	May 17	132.9		Mar. 4	102.0
	June 7	132.4		May 14	102.3
	June 28	135.5		June 3	102.8
	July 26	134.2		July 1	102.4
	Aug. 26	135.1		July 26	103.0
	Sep. 29	135.5		Aug. 26	103.5
	Oct. 26	135.3		Sep. 28	103.9
	Nov. 28	135.0		Oct. 28	103.8
	Dec. 8	b 136.5		Nov. 27	103.7
	Dec. 31	134.5		Dec. 30	103.9

* Correction to all previous bulletins, from levels by Division of Water Resources.

** Correction to Bulletin 39-P.

*** Correction to previous bulletins: R.P. elevation 82.6 to and including December 10, 1946; then 84.2, from levels by Division of Water Resources.

a Measurement from owner.

b Measurement from Los Angeles County Flood Control District.

c Dry at 175 feet.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1945	
B-44a-K-8 77.7	Jan. 7	119.6	B-54-K-8 Cont.	Mar. 15 bc	148.
	Feb. 11	118.8		Apr. 15 bc	152.
	Mar. 2	118.6		Sep. 1 bc	163.
	Apr. 12	119.8		Oct. 1 bc	163.
	May 11	124.9		Nov. 1 bc	159.
	June 8	126.9		Dec. 15 bc	176.
	July 7	130.0			
	Aug. 4	130.0		1946	
	Sep. 14	130.0		Jan. 1 bc	175.
	Oct. 13	126.5		Mar. 23 bc	170.
	Nov. 17	124.0		May 1 bc	180.
B-45d-K-8	Feb. 2 a	84.7		July 1 bc	188.
	Mar. 4 a	88.3		Aug. 1 bc	182.
	Mar. 31 a	89.9		Sep. 1 bc	184.
	Dec. 28 a	93.0		Oct. 1 bc	184.
B-50-I-9 156.1	Apr. 6	118.0		Nov. 1 bc	189.
	Dec. 1	123.0		Dec. 1 bc	184.
B-51b-J-9 140.6	Apr. 6	106.2		1947	
	Dec. 1	110.5		Jan. 1 bc	181.
B-52-J-8 178.8	Apr. 12	172.0		Feb. 1 bc	181.
	Sep. 7	175.8		Mar. 1 bc	188.
	1944			Apr. 1 bc	182.
B-54-K-8 136.	Jan. 7 bc	164.		May 1 bc	192.
	Feb. 7 bc	164.		June 23 bc	189.
	Mar. 7 bc	176.		Aug. 8 bc	205.
	Apr. 7 bc	181.		Oct. 1 bc	189.
	May 7 bc	176.		Nov. 1 bc	191.
	Sep. 7 bc	146.		Dec. 1 bc	189.
	Nov. 15 bc	150.		1948	
	1945			Jan. 15 bc	186.
	Feb. 1 bc	149.5		Mar. 17 bc	183.
				Apr. 15 bc	191.
				July 15 bc	184.
				Aug. 5 bc	201.
				Nov. 2 bc	193.

* Correction to previous bulletins: R.P. elevation should be 48.3 to and including July 27, 1947; then 49.5 to and including March 31, 1948; then 48.3, from levels by Division of Water Resources.

a Measurement from Division of Water Resources.

b Measurement by owner.

c Air gage.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1946	
B-54g-L-9 92.	Feb. 3	a 102.2	B-57-J-9 Cont.	Feb. 1	c 100.
				Apr. 25	c 100.
	1942			May 1	c 103.
B-57-J-9 125.	Jan. 1	b 81.		July 1	c 110.
	Feb. 1	b 87.		Sep. 1	c 115.
	June 1	b 91.		Dec. 1	c 103.
	Aug. 1	b 94.		1947	
	Sep. 1	b 91.		Jan. 1	c 104.
	Oct. 1	b 96.		Feb. 1	c 102.
	Dec. 1	b 94.		Mar. 1	c 104.
	1943			Apr. 1	c 120.
	Mar. 1	b 90.		May 1	c 130.
	June 1	b 94.		June 1	c 124.
	July 1	b 100.		July 15	c 138.
	Sep. 1	b 102.		Aug. 1	c 138.
	Dec. 1	b 98.		Sep. 1	c 134.
	1944			1948	
	Mar. 1	b 100.		Apr. 22	c 113.
	Apr. 1	b 93.		July 1	c 118.
	June 21	b 101.		Sep. 1	c 124.
	Sep. 1	b 105.		Oct. 1	c 130.
	Nov. 15	c 98.		Nov. 15	c 120.
	1945		B-58d-K-9 125.6	Dec. 15	c 116.
	Feb.	c 96.		Jan. 1	cd 120.
	Mar.	c 96.		Feb. 1	cd 121.
	Apr.	c 94.		Mar. 1	cd 120.
	Sep.	c 108.		Apr. 1	cd 119.
	Oct.	c 106.		May 1	cd 123.
	Nov.	c 100.		June 1	cd 124.
	Dec.	c 104.		July 1	cd 128.
				Aug. 1	cd 128.
				Sep. 1	cd 128.
				Oct. 1	cd 127.
				Nov. 1	cd 127.
				Dec. 1	cd 126.

a Measurement from Division of Water Resources.

b Measurement from owner.

c Measurement by owner.

d Air gage.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1935			1939	
B-58e-K-9 *	Jan. 7	87.5	B-58e-K-9	Feb. 2	93.0
	Feb. 12	86.3	Cont.	Apr. 4	92.4
	Mar. 8	86.0		Apr. 13	a 93.0
	May 10	87.0		May 15	95.0
	June 19	90.8		June 14	97.6
	July 24	92.8		July 20	99.1
	Oct. 15	91.8		Oct. 3	a 98.6
	Nov. 25	90.4		Oct. 11	97.8
				Dec. 19	96.1
	1936			1940	
	Jan. 6	89.4		Jan. 24	93.8
	Feb. 21	88.9		Mar. 12	93.2
	Apr. 30	90.6		Apr. 3	a 93.0
	June 10	94.4		Oct. 9	99.3
	Aug. 13	96.8		Oct. 31	98.4
	Sep. 28	95.6			
	Dec. 4	93.6		1941	
	1937			Apr. 23	93.3
	Jan. 27	92.0		May 7	a 93.0
	Mar. 2	90.8		Oct. 21	97.3
	Apr. 1	90.2		Oct. 27	a 96.5
	May 4	91.9			
	June 9	93.9		1942	
	Aug. 4	98.2		Apr. 15	a 92.5
	Sep. 14	98.6		Nov. 6	a 98.4
	Nov. 19	96.2			
	1938			1943	
	Jan. 24	93.7		Apr. 26	a 95.9
	Apr. 1	92.6		Nov. 23	a 101.1
	May 13	93.8			
	Oct. 27	97.8		1944	
	Nov. 2	a 97.5		Apr. 26	a 99.9
	Dec. 29	94.8		Dec. 5	a 101.5

* Correction to previous bulletins: R.P. elevation should be 128.6 to and including August 13, 1936; then, 127.2 to and including November 5, 1945; then, 127.3, from levels by Division of Water Resources.

a Measurement from Los Angeles County Flood Control District.
Measurements from Los Angeles Department of Water & Power except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1945			1948	
B-58e-K-9 Cont.	Apr. 13	a 99.7	B-58e-K-9 Cont.	Mar. 5	117.0
	Nov. 5	a 108.5		Mar. 22	a 116.7
	Dec. 3	b 106.5		May 17	121.2
	Dec. 31	b 105.3		June 2	124.0
	1946			July 1	123.5
	Jan. 28	b 105.1		July 29	124.5
	Feb. 25	b 104.3		Aug. 31	127.0
	Mar. 25	b 106.2		Oct. 30	127.3
	Apr. 16	a 106.4		Nov. 29	125.0
	Apr. 22	b 106.7		Dec. 1	a 124.1
	May 20	b 108.4	B-60-J-9	Dec. 30	122.0
	June 17	b 111.3	159.5	Jan. 20	c 95.3
	July 29	b 113.7			
	Sep. 23	b 114.9	B-64d-L-9	Feb. 27	d 70.7
	Oct. 28	b 113.0	92.8	Mar. 19	d 70.0
	Nov. 26	a 111.2		Apr. 9	d 70.4
	Nov. 29	111.0		May	d 76.6
	Dec. 27	109.0		June	d 79.1
	1947			July	d 84.0
	Jan. 29	109.2		Aug. 13	d 82.8
	Feb. 26	109.0		Sep. 24	d 82.6
	Mar. 27	109.6		Oct. 15	d 79.8
	Apr. 22	a 111.9		Nov. 24	d 80.0
	Apr. 28	113.4	B-67-K-10	Dec. 17	d 77.3
	May 26	117.7	104.	Apr. 6	a 41.7
	June 19	117.5		Dec. 1	a 45.8
	July 28	119.0	B-69-K-9	Jan. 16	d 61.6
	Aug. 25	120.3	86.5	Feb. 6	d 60.6
	Sep. 29	120.3		Mar. 19	d 60.3
	Oct. 27	119.8		Apr. 9	d 60.7
	Nov. 25	a 119.2		May 21	d 72.0
	Nov. 26	119.0		June 11	d 74.6
	1948			July 2	d 77.3
	Feb. 3	116.3		Aug. 13	d 79.0
				Sep. 3	d 79.1
				Oct. 15	d 74.3
				Nov. 4	d 71.2
				Dec. 17	d 68.2

a Measurement from Los Angeles County Flood Control District.

b Measurement from United States Geological Survey.

c Measurement by owner.

d Measurement by San Gabriel Valley Protective Association.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
B-93a-M-7 82.2	Jan. 27	96.7	B-101b-L-8 *45.4	Jan. 28	71.0
				Feb. 24	72.1
				Mar. 24	69.8
B-95-N-7 108.7	Dec. 7	a 145.3		May 25	74.3
				June 28	74.7
				Aug. 4	74.9
B-96-L-8 *52.2	Jan. 28	83.0		Aug. 30	74.5
	Mar. 22	89.5		Sep. 27	75.4
	Oct. 26	90.2		Oct. 27	73.2
				Nov. 29	74.8
B-100-N-8 82.	Jan. 7	a 118.6	B-103b-L-8 **	Jan. 28	104.2
	Feb. 11	a 113.5		Feb. 24	102.7
	Mar. 2	a 113.7		Mar. 22	106.1
	Mar. 23	119.0		Apr. 27	108.1
	Apr. 12	a 109.0		May 25	111.3
	May 11	a 110.7		June 28	110.7
	June 8	a 108.6		Aug. 4	114.5
	July 7	a 108.9		Aug. 30	117.0
	Aug. 4	a 108.9		Sep. 27	112.8
	Sep. 14	a 109.0		Oct. 26	110.7
	Oct. 13	a 109.3		Nov. 29	113.5
	Nov. 17	a 111.1			
	1943			1945	
B-101-L-8 45.	Oct. 14	b 26.8	B-106-L-8 ***55.0	Feb. 1	cd 96.
	1948			Mar. 1	cd 96.
				Apr. 1	cd 94.
				Sep. 15	cd 97.
	Apr. 2	27.0		Oct. 15	cd 106.
				Nov. 15	cd 102.
				Dec. 15	cd 101.

* Correction to previous bulletins, from levels by Division of Water Resources.

** Correction to previous bulletins: R.P. elevation should be 58.0 to and including November 10, 1936; then, 56.6 to and including November 1944; then 58.0, from levels by Division of Water Resources.

*** Correction to previous bulletins, from levels by Los Angeles Department of Water and Power.

a Measurement from Los Angeles County Flood Control District.

b Measurement from United States Geological Survey.

c Measurement by Southern California Water Company from Los Angeles County Flood Control District.

d Air gage.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1946			1948		
B-106-L-8	Jan. 1	ab 100.	B-108-M-8	Mar. 22	62.8
Cont.	Feb. 1	ab 96.	Cont.	Apr. 27	63.1
	Mar. 15	ab 101.		May 25	64.0
	Apr. 15	ab 99.		June 28	64.8
	May 1	ab 98.		Aug. 30	65.8
	June 1	ab 102.		Sep. 27	65.0
	July 1	ab 106.		Oct. 27	65.1
	Aug. 1	ab 120.		Nov. 29	65.3
	Sep. 1	ab 121.			
	Oct. 1	ab 121.	B-109c-M-9	Jan. 29	38.7
	Nov. 1	ab 119.	*28.4	Feb. 29	38.7
	Dec. 1	ab 111.		Apr. 7	38.0
1947				Apr. 29	38.8
	Jan. 1	ab 110.		May 26	39.0
	Mar. 1	ab 110.		Aug. 2	39.8
	Apr. 1	ab 113.		Aug. 26	40.1
	May 1	ab 118.		Sep. 30	40.5
	June 1	ab 120.		Oct. 27	40.8
	Sep. 1	ab 124.		Nov. 30	40.9
	Oct. 1	ab 123.	B-111-L-9	Jan. 28	72.2
	Nov. 1	ab 120.	*55.4	Feb. 26	72.5
	Dec. 15	ab 122.		Mar. 25	72.6
1948				Apr. 28	73.8
	Feb. 1	ab 116.		May 26	73.2
	Apr. 15	ab 114.		Aug. 2	74.3
	May 22	ab 113.		Aug. 26	74.2
	July 22	ab 109.		Sep. 29	76.2
	Sep. 22	ab 111.		Nov. 30	74.9
	Oct. 12	ab 113.	B-112-L-9	Mar. 31	64.9
	Nov. 15	ab 113.	**		
	Dec. 15	ab 108.	B-113-M-9	Jan. 28	61.3
B-108-M-8	Jan. 28	62.4	*11.1	Feb. 26	60.4
*35.6	Feb. 24	62.3		Mar. 24	61.5
				Apr. 20	68.8
				May 26	69.2

* Correction to previous bulletins, from levels by Division of Water Resources.

** Correction to previous bulletins: R.P. elevation should be 43.1 to and including April 28, 1930; then, 43.6 to and including January 13, 1933; then, 46.0 to and including April 10, 1933; then, 43.1, from levels by Los Angeles Department of Water and Power.

a Measurement by Southern California Water Company from Los Angeles County Flood Control District.

b Air Gage.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet
	1948			1948	
B-113-M-9	Aug. 2	70.9	B-117-L-10	July 30	105.9
Cont.	Aug. 26	71.0	Cont.	Aug. 31	103.5
	Sep. 20	65.6		Sep. 29	104.1
	Oct. 27	65.2		Oct. 28	106.2
	Nov. 30	65.8		Nov. 29	104.0
				Nov. 30	c 103.9
B-115a-N-9	Jan. 31	a 85.	B-118-M-10	Feb. 18	d 34.9
34.0	Feb. 29	a 85.2	34.0	Mar. 10	d 34.8
	Apr. 1	a 79.1		Apr. 22	d 32.0
	May 1	a 86.5		May 13	d 34.5
	May 31	a 86.0		June 3	d 34.2
	Aug. 31	a 85.5		July 15	d 35.0
	Sep. 30	a 88.0		Aug. 5	d 35.9
	Nov. 30	a 89.5		Sep. 16	d 34.0
	Dec. 31	a 89.5		Oct. 7	d 33.7
B-115g-N-9	Jan. 31	b 99.8		Nov. 18	d 35.5
35.0	Feb. 28	b 101.0		Dec. 9	d 33.6
	Mar. 31	b 100.7	B-119-M-9	Jan. 29	54.9
	Apr. 30	b 106.2	**24.6	Feb. 26	49.1
	May 31	b 106.3		Mar. 25	49.8
	June 30	b 109.0		Apr. 28	51.3
	July 31	b 110.8		May 26	52.7
	Aug. 31	b 110.2		Aug. 2	54.8
	Sep. 30	b 98.1		Aug. 26	53.4
	Oct. 31	b 100.5		Sep. 30	51.0
	Nov. 30	b 104.1		Oct. 27	53.0
B-117-L-10	Feb. 25	95.8		Nov. 30	51.8
*98.8	Mar. 22	c 93.6	B-119q-M-10	Jan. 29	28.5
	Mar. 25	94.7	***24.6	Feb. 26	28.5
	Apr. 28	97.3		Mar. 2	c 28.2
	June 29	100.2			

* Correction to previous bulletins: R.P. elevation should be 98.4 to and including June 20, 1935; then 97.8 from levels by Division of Water Resources.

** Correction to previous bulletins: Levels by Division of Water Resources.

*** Correction to previous bulletins: R.P. elevation should be 24.4 to and including April 29, 1937; then, 25.4 to and including April 9, 1947; then, 24.6, from levels by Division of Water Resources.

a Measurement from Southern California Edison Company, Ltd.

b Measurement by owner from Los Angeles County Flood Control District.

c Measurement from Los Angeles County Flood Control District.

d Measurement from Long Beach Water Department.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1948			1948		
B-119q-M-10	Mar. 25	29.2	B-122f-L-10	Aug. 13	b 36.8
Cont.	Apr. 25	29.0	Cont.	Sep. 3	b 35.6
S.I.	May 26	28.5		Oct. 15	b 33.8
S.I.	Aug. 2	29.9		Nov. 4	b 31.6
S.I.	Aug. 26	29.5		Dec. 17	b 29.3
S.I.	Sep. 30	28.8			
S.I.	Oct. 27	28.9	B-123e-M-10	Apr. 14	a 26.2
S.I.	Nov. 30	29.2	42.7		
B-121b-L-10	Feb. 25	58.6	B-129-L-10	Apr. 6	a 36.3
66.6	Mar. 25	59.0	58.1	Nov. 30	a 42.1
S.I.	Apr. 28	61.3			
S.I.	May 26	63.6	B-129b-M-10	Feb. 19	c 38.0
S.I.	June 29	65.8	37.4	Mar. 10	c 41.4
S.I.	July 30	68.2		Apr. 22	c 42.1
	Aug. 30	69.1		May 13	c 42.8
S.I.	Sep. 28	69.2		June 3	c 43.0
S.I.	Oct. 28	66.4		July 15	c 46.2
S.I.	Nov. 30	65.0		Aug. 5	c 46.1
				Sep. 16	c 46.0
B-122-L-10	Mar. 25	24.5		Oct. 7	c 44.5
*58.1	Apr. 6	a 26.0		Nov. 18	c 41.2
S.I.	May 26	28.8		Dec. 9	c 41.5
S.I.	June 29	33.0			
S.I.	Aug. 20	a 35.5	B-130e-N-8	Jan. 30	213.0
S.I.	Sep. 28	29.8	**184.0	Feb. 27	213.3
S.I.	Nov. 29	28.2		Apr. 7	214.4
	Nov. 30	va 28.3		Apr. 29	213.9
				May 28	214.0
B-122f-L-10	Jan. 16	b 23.6		June 1	215.0
62.5	Feb. 6	b 26.0		Aug. 3	215.0
	Mar. 19	b 27.9		Aug. 27	215.1
	Apr. 9	b 25.0		Sep. 29	215.5
	May 21	b 30.6		Nov. 1	215.6
	June 11	b 32.4			
	July 2	b 33.9			
			B-132-N-8	Apr. 6	a 103.0
			71.2	Nov. 30	a 104.8

* Correction to previous bulletins: R.P. elevations should be 59.1 to and including September 16, 1930; then, 59.0 to and including April 17, 1933; then, 58.1, from levels by Division of Water Resources.

** Correction to previous bulletins, from levels by Division of Water Resources.

a Measurement from Los Angeles County Flood Control District.

b Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

c Measurement by Long Beach Water Department.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
B-133-N-8 *45.2	Mar. 24	a 88.8	B-136-N-10 8.0	Feb. 18	d 11.0
	Apr. 22	a 89.2		Mar. 10	d 13.5
	June 28	a 91.2		Mar. 30	d 12.4
B-134-N-9 39.	Jan. 5	64.6		Apr. 22	d 12.7
	Feb. 2	64.9		May 13	d 12.9
	Mar. 2	65.0		June 3	d 13.1
	Apr. 2	65.2		June 24	d 13.4
	May 9	65.5		July 15	d 13.2
	June 22	68.4		Aug. 5	d 13.6
	July 12	b		Aug. 26	d 13.8
	Aug. 3	b		Sep. 16	d 13.4
	Sep. 1	b		Oct. 7	d 13.1
	Oct. 13	b		Nov. 18	d 13.3
	Nov. 7	b		Dec. 9	d 13.3
	Dec. 6	b		Dec. 30	d 13.0
B-134c-N-9 *27.0	Jan. 29	c 61.7	B-136d-N-10 **7.0	Feb. 18	d 11.4
	Feb. 26	c 59.2		Mar. 10	d 11.7
	Apr. 7	c 60.0		Apr. 22	d 11.9
	Apr. 29	c 61.8		May 13	d 11.7
	May 28	c 63.6		June 3	d 12.0
	Aug. 3	c 63.9		July 15	d 12.1
	Aug. 26	c 64.1		Aug. 5	d 10.3
	Sep. 28	c 61.8		Sep. 16	d 12.2
	Oct. 28	c 62.2		Oct. 7	d 12.0
	Nov. 29	c 64.1		Nov. 18	d 12.1
				Dec. 9	d 12.2

* Correction to previous bulletins, from levels by Division of Water Resources.

** Correction to previous bulletins, from levels by City of Long Beach.

a Measurement from Palos Verdes Water Company.

b Mud at 70.9 feet.

c Measurement from Division of Water Resources.

d Measurement by Long Beach Water Department.

Measurements from Los Angeles County Flood Control District except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "C"

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1c-E-11 1172.4	Jan. 2	192.0	C-5-E-11	Oct. 4	119.7
	Feb. 2	191.3	Cont.	Nov. 2	118.8
	Mar. 3	188.1		Dec. 7 a	119.3
	Apr. 4	189.9	C-7-E-11	Jan. 6	152.6
	Apr. 7 a	186.4	1109.7	Feb. 6	152.3
	May 1	190.0		Mar. 4	151.6
	June 1	192.6		Apr. 1 a	150.6
	July 29	210.3		May 8	150.6
	Aug. 31	213.5		June 4	151.3
	Oct. 1	214.3		June 24	152.0
	Oct. 29	201.5		July 23	154.4
	Dec. 1	208.6		Sep. 7	157.8
	Dec. 8 a	200.6		Oct. 4	159.9
	Dec. 30	201.9		Nov. 2	161.0
C-1k-D-10 1273.3	Apr. 6 a	219.4		Dec. 7 a	161.8
C-3-E-11 1201.1	Jan. 31 b	247.	C-10-E-11	Jan. 6	92.8
	Feb. 28 b	246.	1046.6	Feb. 6	92.4
	Mar. 22 b	245.		Mar. 4	91.9
	Apr. 6 a	242.6		Apr. 1 a	91.6
	Apr. 30 b	244.		May 8	91.0
	May 31 b	252.		June 4	91.3
	June 30 b	257.		June 24	91.3
	July 31 b	260.		July 23	92.7
	Aug. 31 b	261.		Sep. 7	95.1
	Sep. 27 b	263.		Oct. 5	96.8
	Oct. 19 a	254.5		Nov. 2	98.4
	Oct. 20 b	256.		Dec. 7 a	99.7
	Nov. 29 b	256.	C-11-E-11	Apr. 5 a	255.2
	Dec. 9 a	255.7	1188.5	Dec. 8 a	260.1
	Dec. 31 b	254.			
C-5-E-11 1070.6	Jan. 6	108.8	C-12-E-11	Jan. 31 b	190.
	Feb. 6	108.4	1134.2	Feb. 29 b	190.
	Mar. 4	108.2		Mar. 31 b	188.
	Apr. 1 a	106.		Apr. 5 a	199.2
	May 8	109.6		Apr. 30 b	196.
	June 4	109.7		May 31 b	192.
	June 24	110.2		June 30 b	198.
	July 27	114.3		July 31 b	200.
	Sep. 7	117.7		Sep. 30 b	198.
				Oct. 30 b	196.

a Measurements from Division of Water Resources.

b Air Gage.

Measurements from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-12-E-11 Cont.	Nov. 30 a	196.	C-43-F-12 799.0	Apr. 1 b	231.3
	Dec. 8 b	202.0			
	Dec. 31 a	192.	C-44-F-12 879.0	Jan. 8	314.3
C-16-F-11 916.5	Jan. 5	260.1		Feb. 6	313.2
	Feb. 6	254.3		Mar. 5	312.0
	Mar. 8	254.3		Apr. 5 b	313.3
	Apr. 5 b	250.2		May 8	313.2
	June 3	252.5		June 3	313.2
	June 23	253.6		June 23	316.6
	July 19	254.7		July 22	321.3
	Sep. 5	256.6		Sep. 7	325.9
	Oct. 4	255.1		Oct. 4	325.9
	Nov. 1	253.3		Nov. 2	322.4
	Dec. 7 b	255.8		Dec. 7 b	323.4
C-22-F-11 897.2	Jan. 1	235.8	C-47-F-12 698.8	Apr. 9 b	152.8
	Feb. 6	234.0		Dec. 13 b	156.6
	Mar. 8	233.3	C-49-F-12 720.0	Jan. 1 a	166.1
	Apr. 1 b	232.8		Feb. 1 a	163.8
	Apr. 1	232.6		Mar. 1 a	163.8
	May 18	233.1		Apr. 1 a	162.8
	June 3	232.8		May 1 a	163.8
	June 23	233.2		June 1 a	168.5
	July 22	234.3		July 1 a	170.7
	Sep. 5	235.6		Aug. 1 a	173.0
	Oct. 4	234.1		Sep. 1 a	175.4
	Nov. 1	233.3		Oct. 1 a	175.3
	Dec. 7 b	234.4		Nov. 1 a	175.3
C-31a-F-11 774.4	Apr. 11 b	131.4		Dec. 1 a	175.4
C-38a-E-12 1159.9	Apr. 6 b	349.2	C-52a-F-12 791.2	Dec. 13 b	173.4
*C-41-E-12 893.3	Apr. 1	136.		Jan. 8	230.8
C-42-E-12 866.6	Apr. 9 b	301.6		Feb. 9	229.4
	Dec. 17 b	309.3		Mar. 5	228.4
				Apr. 1 b	227.6
				May 10	231.6
				June 3	230.7
				June 23	234.9
				July 22	239.6

* Measurements published in Bulletin 39M, N, O and P are probably in error.

Water leaking into casing at approximately 75 to 100 feet.

a Air gage measurement.

b Measurement from Division of Water Resources.

Measurements from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-52a-F-12	Sep. 7	244.3	C-74-F-12	Apr. 8 a	124.6
Cont.	Oct. 4	241.1	676.5	Dec. 13 a	133.0
	Nov. 1	238.6	C-76-F-12	Apr. 9 a	118.7
	Dec. 7 a	237.4	665.8	Dec. 13 a	128.9
C-55-F-12	Jan. 31	173.0	C-82a-F-13	Jan. 8	49.4
736.3	Feb. 29	172.	592.1	Feb. 9	48.2
	Mar. 31	171.		Mar. 4	49.2
	Apr. 8 a	172.3		Apr. 1 a	48.3
	Apr. 30	170.4		May 11	50.6
	May 31	173.		June 4	54.8
	June 30	175.6		June 23	63.0
	July 31	178.		July 27	59.3
	Aug. 31	181.4		Oct. 4	63.9
	Sep. 30	181.8		Nov. 1	60.2
	Oct. 31	178.6		Dec. 7 a	58.8
	Nov. 30	178.	C-96-F-13	Apr. 12 a	54.5
	Dec. 10 a	178.8	579.2	Dec. 12 a	71.0
	Dec. 31	175.	C-101-F-13	Jan. 6 b	87.8
C-56-F-12	Apr. 7 a	113.4	603.0	Feb. 3 b	85.5
714.9				Mar. 2 b	85.1
C-62-F-12	Jan. 1	110.8		Apr. 5 b	81.8
673.6	Jan. 31	108.8		Apr. 13 a	79.4
	Feb. 29	107.2		May 4 b	80.8
	Apr. 1	105.2		June 8 b	87.4
	Apr. 7 a	104.7		July 6 b	154.5
	May 1	103.8		Oct. 4 b	123.0
	June 1	102.8		Nov. 4 b	118.5
	July 1	102.2		Dec. 6 b	108.0
	Aug. 1	104.0		Dec. 16 a	102.2
	Sep. 1	109.0	C-102-F-14	Mar. 16 c	17.9
	Oct. 1	114.5	594.2	Apr. 13 a	18.5
	Nov. 1	103.5		Nov. 23 c	19.8
	Dec. 1	102.0		Dec. 16 a	20.2
	Dec. 9 a	99.8			
C-65-F-12	Apr. 7 a	123.7			
599.6					

a Measurement from Division of Water Resources.

b Air gage measurement.

c Measurement from Los Angeles County Flood Control District.

Measurements from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-103-F-13 627.5	Apr. 11 a Dec. 15 a	83.0 90.9	C-130-F-13 Cont.	Mar. 31 b Apr. 13 a Apr. 30 May 31 June 30 July 31 Aug. 31 Sep. 30 Oct. 31 Nov. 30 Dec. 17 a Dec. 31	156.3 154.1 155.2 165.8 173.7 190.2 194.3 194.1 186.8 185. 173.1 174.5
C-108-F-12 708.4	Apr. 8 a Dec. 10 a	137.9 143.4			
C-111-F-11 776.3	Jan. 8 Feb. 9 Mar. 5 Apr. 1 a May 11 June 4 June 23 July 27 Sep. 7 Oct. 5 Nov. 1 Dec. 7 a	169.9 168.3 167.2 166.5 164.4 166.0 167.5 169.7 171.0 171.5 169.5 166.9	C-200-F-13 **481.9	Jan. 3 c Jan. 27 c Feb. 13 c Mar. 5 c Mar. 26 c May 7 c May 28 c July 8 c July 30 c Aug. 20 c Oct. 1 c Oct. 22 c Dec. 3 c Dec. 24 c	180.6 181.2 182.3 181.8 182.0 182.8 183.3 184.2 184.8 185.3 186.4 187.0 187.9 188.4
C-119-F-12 *662.8	Jan. 1 b Feb. 1 b Mar. 1 b Apr. 1 b Apr. 8 a May 1 b June 1 b July 1 b Aug. 1 b Sep. 1 b Oct. 1 b Nov. 1 b Dec. 1 b Dec. 13 a	105.8 102.2 101.0 101.5 102.2 100.5 104.6 110.8 111.5 115. 115. 113. 112. 110.0	C-201-G-12 504.0	Jan. 1 b Feb. 1 b Mar. 1 b Apr. 1 b May 1 b June 1 b July 1 b Aug. 1 b Sep. 1 b	254. 255. 254. 254. 254. 261. 262. 265. 267.
C-130-F-13 677.0	Jan. 15 Jan. 31 Feb. 29 b	161.2 160.8 156.8			

* Corrections to Bulletin 39 to 39G inclusive: R.P. elevation should be 661.6 to and including November 15, 1929; then 662.8, from levels by Pasadena Water Department.

** Correction to Bulletins 39 to 39G inclusive: 481.7 to and including October 15, 1929; then 482.2 to and including October 17, 1933; then 481.7 to and including January 26, 1934; then 481.9, from levels by Pasadena Water Department.

a Measurement from Division of Water Resources.

b Air gage.

c Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Measurements from owner except as noted.

Well Number and R.P.Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-201-G-12	Oct. 1 ab	266.5	C-206-G-12	May 1 d	278.
Cont.	Nov. 1 ab	266.	Cont.	June 1 d	289.
	Dec. 1 ab	265.		July 1 d	289.
				Aug. 1 d	291.
C-202-G-12	May 28	319.0		Sep. 1 d	293.
.560.9				Oct. 1	296.5
				Nov. 1 d	294.
				Dec. 1 d	294.
	1947				
C-204-G-12	June 6	223.5	C-212-H-12	Jan. 3	25.2
478.9	June 23	223.5	*283.0	Jan. 27	25.4
	Aug. 29	229.4		Mar. 5	25.6
	Oct. 31	229.7		Mar. 26	25.7
	Dec. 5	228.0		May 7	25.6
				May 28	25.7
	1948			July 8	25.7
	Jan. 3	229.8		July 30	25.8
	Mar. 26	230.0		Sep. 10	26.0
	Apr. 16	230.0		Oct. 1	26.1
	May 7	232.2		Oct. 22	26.2
	July 30	229.8		Dec. 3	26.3
	Sep. 10	232.2		Dec. 24	26.7
	Oct. 1	232.6	C-214-G-13	Jan. 3	77.1
	Oct. 22	232.2	**	Jan. 27	77.8
	Nov. 12	239.3		Feb. 13	77.9
	Dec. 24	237.1		Mar. 5	78.5
				Mar. 26	78.7
C-205-G-12	Oct. 27 c	197.1		Apr. 16	79.2
429.6	Nov. 12 c	188.8		May 7	79.7
	Dec. 3 c	189.3			
			C-219-G-13	Jan. 27	128.1
C-206-G-12	Jan. 1 d	283.	**384.1	Feb. 13	127.5
534.6	Jan. 31 d	283.		May 7	131.6
	Feb. 13	286.2		June 18	136.2
	Feb. 29 d	286.			
	Apr. 1 d	286.5			

* Correction: Beginning February 26, 1931, R.P. elevation should be 283.0 to date.

** Correction to all previous bulletins: R.P. elevation should be 371.4 to and including May 6, 1929; then 372.2 to and including May 7, 1948; then 371.4, from levels by City of Arcadia.

*** New elevation; R. P. change.

a Air gage.

b Measurement from owner.

c Measurement from Los Angeles County Flood Control District.

d Measurement by owner from Division of Water Resources.

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1944	
C-223-G-13 *	Jan. 3 a	22.9	C-224-G-13 Cont.	Jan. 4	34.5
	Feb. 13 a	23.5		Feb. 2	34.1
	Mar. 5 a	24.5		Mar. 1	33.3
	Apr. 16 a	24.3		Apr. 4	34.6
	May 7 a	24.9		May 1	35.0
	June 18 a	25.4		June 1	32.8
	July 8 a	26.0		July 1	33.0
	Aug. 20 a	27.4		Aug. 1	34.1
	Sep. 10 a	27.8		Sep. 1	34.2
	Oct. 1 a	28.4		Oct. 1	34.0
	Nov. 12 a	28.8		Nov. 1	34.0
	Dec. 3 a	29.3		Dec. 1	33.3
	1942			1945	
C-224-G-13 *	July 1	39.2		Jan. 3	32.7
	Aug. 3	38.0		Feb. 1	32.9
	Sep. 1	38.3		Mar. 1	32.2
	Oct. 7	38.0		Apr. 1	31.8
	Dec. 3	38.0		May 1	33.0
	1943			June 1	32.2
	Jan. 4	37.6		July 1	35.2
	Feb. 1	37.2		Aug. 1	34.2
	Mar. 2	36.0		Sep. 1	34.2
	Apr. 2	34.5		Oct. 1	35.2
	May 3	34.4		Nov. 1	34.6
	June 2	37.5		Dec. 1	34.7
	July 1	35.8		1946	
	Aug. 1	35.8		Jan. 4	34.2
	Sep. 1	36.3		Feb. 1	34.5
	Oct. 1	36.2		Mar. 1	34.0
	Nov. 1	35.6		Apr. 1	33.4
	Dec. 1	35.4		May 1	33.7

* R.P. elevation 307.7 to and including October 1, 1948; then 306.2.

** Correction to Bulletins 39, 39J, and M, for measurements prior to December 1943. Well number should be C-224-G-13. Well number C-224f-G-13 is 30 feet east of C-224-G-13.

*** Correction to Bulletins 39, 39J, and 39M: R.P. elevation should be 313.1 to and including December 6, 1929; then 314.6 to and including October 9, 1931; then 314.2 to and including October 10, 1931; then 314.5, from levels by Division of Water Resources.

a Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Measurements by owner from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1946			1948	
C-224-G-13 Cont.	June 1 a	34.2	C-230a-H-13 Cont.	June 18	16.9
	July 1 a	35.2		July 8	17.4
	Aug. 1 a	36.2		Aug. 20	17.9
	Sep. 1 a	37.8		Sep. 10	18.2
	Oct. 1 a	37.0		Oct. 1	18.3
	Nov. 1 a	36.0		Nov. 12	18.6
	Dec. 1 a	35.5		Dec. 2	18.9
	1947		C-234-H-13 242.6	Jan. 3	6.1
	Jan. 1 a	33.5		Feb. 13	6.1
	Feb. 1 a	34.5		Mar. 5	6.2
	Mar. 1 a	34.2		Apr. 16	5.7
	Apr. 1 a	34.6		May 7	6.1
	May 1 a	35.4		June 2	6.4
	June 1 a	36.0		July 7	6.8
	July 1 a	36.2		Aug. 4	7.2
	Aug. 1 a	39.3		Sep. 1	7.2
	Sep. 1 a	35.0		Oct. 6	7.7
	Oct. 1 a	40.5		Nov. 3	7.4
	Nov. 1 a	37.5		Dec. 1	7.4
	Dec. 1 a	37.8	C-237w-H-13 240.	Jan. 3	4.5
	1948			Feb. 13	4.4
	Jan. 1 a	37.4		Mar. 5	4.8
	Feb. 1 a	37.8		Apr. 15	4.6
	Mar. 1 a	37.7		May 7	5.1
	Apr. 1 a	37.7		June 2	5.6
	May 1 a	38.1		July 7	6.2
	June 1 a	38.8		Aug. 4	6.8
	July 1 a	39.0		Sep. 8	7.3
	Aug. 1 a	40.2		Oct. 6	7.4
	Sep. 1 a	40.8		Nov. 3	7.2
	Oct. 1 a	41.3		Dec. 1	7.3
	Nov. 1 a	40.8	C-239-H-13 228.	Jan. 3	11.8
	Dec. 1 a	41.0		Feb. 13	11.7
C-230a-H-13 278.3	Jan. 3	15.8		Mar. 5	11.9
	Feb. 13	15.9		Apr. 15	11.9
	Mar. 5	16.1		May 7	12.1
	May 7	16.0		June 18	12.6
				July 8	12.8
				Aug. 20	13.0

a Measurement by owner from Los Angeles County Flood Control District.
 Measurements by San Gabriel Valley Protective Association from Los Angeles
 County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-239-H-13	Sep. 10	13.1	C-242-F-14	Aug. 20	121.0
Cont.	Oct. 1	13.0	Cont.	Sep. 10	122.1
	Nov. 12	12.8		Nov. 12	124.7
	Dec. 2	12.9		Dec. 24	125.4
C-240q-I-13	Jan. 7	3.6	C-243-F-14	Jan. 3	123.3
*213.0	Feb. 4	3.9	414.5	Feb. 13	124.4
	Mar. 3	3.3		Mar. 5	125.0
	Apr. 7	2.9		Apr. 16	125.7
	May 5	3.5		May 7	126.3
	June 2	3.7		May 28	126.9
	July 7	4.6		June 18	125.9
	Aug. 4	5.1		July 8	126.8
	Sep. 1	4.8		Aug. 20	129.7
	Oct. 6	4.1		Sep. 10	131.0
	Nov. 3	4.1		Oct. 22	133.0
	Dec. 1	4.9		Nov. 12	133.9
				Dec. 3	134.9
C-241-F-14	Jan. 3	118.8	C-243d-F-14	Jan. 3	114.8
416.6	Feb. 13	121.2	.699.5	Feb. 13	121.1
	Mar. 5	121.9		Apr. 16	120.5
	Mar. 26	122.4		May 7	120.7
	May 7	123.5		June 18	121.1
	May 28	124.2		Oct. 22	129.5
	July 8	125.2		Dec. 3	133.2
	July 30	125.9			
	Aug. 20	126.6			
	Sep. 10	127.4	C-249-G-14	Jan. 7	50.4
	Oct. 1	129.5	334.8	Feb. 4	51.2
	Oct. 22	128.6		Mar. 3	51.7
	Dec. 3	130.0		Apr. 7	52.1
				May 5	52.7
				June 2	54.0
C-242-F-14	Jan. 3	113.7		July 7	53.2
404.5	Jan. 27	114.2		Aug. 4	55.6
	Feb. 13	116.2		Sep. 1	57.4
	Mar. 5	115.0		Oct. 6	59.2
	Apr. 16	116.5		Nov. 3	60.1
	May 7	117.4		Dec. 1	61.2
	June 18	117.2			
	July 8	118.5			

* Correction to all previous bulletins: R.P. elevation should be 212.6 to and including August 21, 1930; then 213.0, from levels by City of Whittier Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1948			1948		
C-251h-G-14 314.	May 7	38.6	C-278-F-15 635.1	Jan. 3	37.4
	June 18	39.3		Jan. 27	32.6
	July 8	39.9		Feb. 13	33.4
	Aug. 20	42.2		Mar. 5	33.1
	Sep. 10	43.3		Mar. 26	34.5
	Oct. 1	44.2		Apr. 16	33.5
	Nov. 12	45.4		May 7	32.0
	Dec. 3	46.1		May 28	33.8
				July 8	32.0
C-259-H-14 292.0	Jan. 2	17.8		July 30	37.3
	Feb. 12	18.3		Aug. 20	41.0
	Mar. 4	19.0		Oct. 22	49.8
	Apr. 15	18.5		Nov. 12	52.4
	May 6	19.0		Dec. 3	57.8
	June 17	21.9		Dec. 24	60.6
	July 8	22.5			
	Aug. 19	24.4	C-280-F-15 591.2	Jan. 3	102.4
	Sep. 19	25.0		Jan. 27	87.6
	Oct. 21	25.8		Feb. 13	76.2
	Nov. 11	26.1		Mar. 5	67.4
	Dec. 2	26.9		Mar. 26	64.5
				Apr. 16	63.0
C-262-H-14 320.1	Jan. 2	35.2		May 7	59.6
	Feb. 12	35.8		May 28	59.6
	Mar. 4	36.4		July 8	51.9
	Apr. 15	36.5		July 30	58.2
	May 6	37.1		Aug. 20	68.9
	June 17	38.3		Oct. 1	87.3
	July 8	39.5		Oct. 22	95.8
	Aug. 19	40.7		Dec. 3	109.3
	Sep. 9	42.2			
	Oct. 21	46.0	C-282-F-14 465.4	Jan. 3	172.3
	Nov. 11	46.5		Jan. 27	173.1
	Dec. 2	46.8		Mar. 5	175.5
				Mar. 26	176.7
C-266-H-14 294.5	Jan. 2	10.8		May 7	175.5
	Feb. 12	10.2		May 28	177.2
	Mar. 4	14.0		July 8	175.4
	Apr. 15	10.2		July 30	177.0
	May 27	14.8		Aug. 20	180.2
	July 29	22.4		Sep. 10	179.8
	Aug. 19	22.3		Oct. 1	181.0
	Sep. 9	20.9		Oct. 22	182.4
	Dec. 2	19.8		Dec. 3	185.3

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet
1948			1948		
C-283-G-15 456.6	Jan. 7	164.8	C-294a-G-15	July 28	102.4
	Feb. 4	165.7	Cont.	Aug. 4	102.9
	Mar. 3	166.2		Sep. 1	105.0
	Apr. 7	166.9		Oct. 6	107.1
	May 5	167.4		Nov. 3	108.0
	June 2	168.5		Dec. 1	109.1
	June 23	166.5		Dec. 15	109.4
	June 30	167.1			
	Aug. 4	170.5	C-295-G-15	Jan. 21	98.8
	Sep. 1	172.8	392.7	Feb. 11	99.3
	Oct. 6	175.0		Mar. 3	99.7
	Nov. 3	176.2		Mar. 24	100.2
	Dec. 1	177.4		Apr. 14	100.4
				May 5	100.8
C-285-F-16 686.0	Jan. 27	71.0		July 28	112.0
	Feb. 13	70.2		Aug. 18	107.7
	Mar. 5	70.5		Dec. 1	114.1
	Mar. 26	73.0		Dec. 22	112.4
	Apr. 16	67.9			
	May 5	68.0	C-296-G-15	Jan. 21	126.1
	May 28	73.8	424.7	Mar. 3	127.2
	Dec. 3	112.7		Mar. 24	127.8
				May 5	128.3
C-291-G-14 371.5	Jan. 2	82.8		June 16	131.4
	Feb. 12	83.8		July 28	133.9
	Mar. 4	84.2		Sep. 8	137.0
	Apr. 15	84.8		Sep. 29	138.6
	May 6	85.3		Oct. 20	139.2
	June 17	85.1		Nov. 10	139.8
	July 7	86.3		Dec. 1	140.8
	Aug. 19	89.6			
	Sep. 9	91.0	C-300-H-15	Jan. 7	104.9
	Oct. 21	93.2	407.2	Feb. 4	105.7
	Nov. 11	93.9		Mar. 3	106.4
	Dec. 2	94.8		Apr. 7	107.2
				May 5	107.7
C-294a-G-15 387.7	Jan. 7	96.2		June 2	109.4
	Feb. 4	97.1		July 7	111.4
	Mar. 3	97.6		Aug. 4	113.1
	Apr. 5	98.2		Sep. 1	114.8
	May 5	98.8		Oct. 6	116.6
	June 2	100.3		Nov. 3	117.7
	July 7	100.8		Dec. 1	118.1

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-307-H-15 357.4	Jan. 21	63.9	C-316-I-15 Cont.	May 6	6.4
	Mar. 3	65.8		June 17	9.4
	Mar. 25	64.8		July 6	9.4
	May 5	66.0		Aug. 19	11.2
	May 26	66.4		Sep. 9	12.3
	July 7	70.8		Oct. 21	10.4
	July 28	71.6		Nov. 11	10.1
	Sep. 8	74.1		Dec. 2	10.2
	Sep. 29	73.0			
	Oct. 20	73.7	C-317-I-15	Jan. 2	20.8
	Nov. 10	74.0	331.0	Jan. 22	21.3
	Dec. 1	76.3		Mar. 4	20.0
C-309-H-15 320.3	Jan. 2	29.1		Mar. 25	21.1
	Feb. 12	29.8		May 6	17.2
	Mar. 4	33.2		May 27	19.0
	Apr. 15	30.3		July 6	20.1
	May 6	32.6		July 29	21.6
	June 17	36.7		Sep. 9	26.6
	July 6	37.9		Sep. 30	26.4
	Aug. 19	40.4		Oct. 21	23.6
	Sep. 9	38.2		Dec. 2	25.4
	Oct. 21	41.0	C-320-F-16	Jan. 2 a	39.2
	Nov. 11	41.6	756.3	Feb. 5 a	41.3
	Dec. 2	40.7		Mar. 4 a	40.3
C-312-H-15 342.3	Jan. 2	49.2		Apr. 6 ab	36.8
	Jan. 22	52.1		Apr. 29 ab	17.8
	Mar. 4	51.2		June 10 ab	12.0
	Mar. 25	47.5		July 1 a	22.8
	Apr. 15	47.3		July 29 a	32.9
	May 6	49.5		Sep. 2 a	40.1
	May 27	54.4		Sep. 30 a	42.7
	June 17	57.1		Oct. 28 ab	43.7
	July 6	56.9		Dec. 2 a	18.8
	July 29	58.8	C-322-F-16	Jan. 2	72.6
	Sep. 9	65.1	694.6	Jan. 22	75.5
	Sep. 30	59.7		Mar. 4	76.6
	Oct. 21	59.4		Mar. 25	82.8
	Dec. 2	61.5		May 6	74.8
C-316-I-15 309.2	Jan. 2	6.2		June 12	70.8
	Mar. 4	6.6		July 1	82.3
	Apr. 15	6.0		July 29	96.3
				Sep. 1	108.6

a Measurement from Los Angeles County Flood Control District.

b San Gabriel River flowing.

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District except as noted.

Well Number
and
R.P. Elev. Date Dist.R.P.
to water
surface,
Feet

1948

C-322-F-16 Sep. 30 115.5
Cont. Nov. 6 123.1
Dec. 8 137.3
Dec. 31 119.1

C-323-F-16 Jan. 2 a 72.9
693.3 Jan. 15 a 74.9
Feb. 5 a 90.9
Feb. 19 a 78.4
Mar. 4 a 81.0
Mar. 18 a 87.0
Apr. 1 a 85.8
Apr. 15 a 75.3
May 6 a 79.8
June 4 a 102.0
July 1 a 98.3
Sep. 2 a 117.1
Nov. 10 a 134.1
Nov. 14 ac
Dec. 23 ac

C-328-F-16 Jan. 2 b 105.9
671.4 Jan. 22 98.0
Mar. 25 97.9
May 6 b 93.8
May 27 b 103.0
June 17 107.8
July 6 111.6
July 29 113.6
Aug. 19 107.3
Sep. 9 b 117.8
Sep. 30 b 125.3
Oct. 21 131.4
Nov. 17 d

C-334-F-16 Jan. 10 93.5
631.0 Feb. 12 94.2
Mar. 20 94.9
May 1 95.6
June 1 97.1
July 1 99.5
July 29 102.0

Well Number
and
R.P. Elev. Date Dist.R.P.
to water
surface,
Feet

1948

C-334-F-16 Sep. 1 103.9
Cont. Sep. 30 105.1
Nov. 1 106.6
Dec. 1 109.2
Dec. 31 113.2

C-335-G-16 Jan. 2 232.8
538.2 Jan. 22 233.6
Mar. 4 234.7
Mar. 25 235.3
May 6 236.0
May 27 237.4
July 6 239.0
July 29 242.4
Sep. 9 246.6
Sep. 30 248.8
Oct. 21 250.0
Dec. 2 249.6

C-337-G-16 Jan. 2 245.5
657.0 Jan. 22 248.4
Feb. 12 247.0
Mar. 4 247.9
Apr. 15 246.2
May 6 244.8
July 6 248.7
Sep. 9 254.3
Oct. 21 256.6
Nov. 11 257.5
Dec. 2 258.6

C-338-G-16 Jan. 2 203.4
535.0 Feb. 12 204.0
Mar. 4 203.8
Apr. 15 204.3
May 6 205.4
June 17 211.8
Aug. 19 216.3
Sep. 9 215.9
Oct. 21 216.4
Nov. 11 217.1
Dec. 2 219.1

a Measurement from Los Angeles County Flood Control District.

b Pumping nearby.

c Dry.

d Mud at 132 feet.

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-343-H-16 477.9	Jan. 7	147.9	C-366-F-15 Cont.	Jan. 21	253.5
	Feb. 4	154.0		Feb. 11	253.9
	Mar. 3	149.5		Mar. 3	254.0
	Apr. 7	149.2		Mar. 24	254.5
	May 5	151.5		May 5	255.0
	June 2	159.5		May 26	255.7
	July 7	162.1		June 16	252.6
	Aug. 4	167.0		July 7	252.8
	Sep. 1	167.7		July 28	256.0
	Oct. 6	167.6		Sep. 8	260.0
	Nov. 3	167.6		Sep. 29	261.8
	Dec. 1	170.1		Oct. 20	263.2
				Nov. 10	264.4
C-360-G-16 462.4	Jan. 7	157.7	C-367-F-15 548.9	Jan. 21	254.1
	Feb. 4	159.2		Feb. 11	254.8
	Mar. 3	159.3		Mar. 3	255.2
	Apr. 7	160.1		Mar. 24	255.7
	May 5	160.6		May 5	256.2
	June 2	166.8		May 26	257.0
	July 7	168.8		July 7	255.0
	Aug. 4	170.5		July 28	257.7
	Sep. 1	172.5		Sep. 8	261.7
	Oct. 6	175.2		Sep. 29	262.5
	Nov. 3	172.8		Nov. 10	265.9
	Dec. 1	176.6		Dec. 1	266.9
C-362-G-15 499.3	Jan. 2	202.0	C-376-G-11 532.0	Jan. 3	259.0
	Jan. 22	202.6		Feb. 13	259.3
	Mar. 4	203.6		Mar. 5	259.6
	Mar. 25	204.2		Apr. 16	259.7
	May 6	204.8		May 7	259.9
	May 27	206.0		June 18	260.1
	July 6	207.0		July 8	260.4
	July 29	208.7		Aug. 20	260.8
	Sep. 9	212.3		Sep. 10	261.0
	Sep. 30	213.9		Oct. 1	261.1
	Oct. 21	215.2		Nov. 12	261.4
	Dec. 2	216.7		Dec. 3	261.2
	Dec. 24	217.1			
	1947		C-383c-I-13 219.4	Mar. 16 a	11.3
				Dec. 1 a	12.1
C-366-F-15 547.7	Oct. 8	249.0			
	Nov. 19	251.2			
	Dec. 10	252.0			

a Measurement from Los Angeles County Flood Control District.
 Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-401-F-16 882.	Feb. 13	156.0	C-444b-G-17 *741.0	Jan. 2	194.0
	Mar. 25	152.0		Feb. 1	195.4
	Nov. 24	171.8		Feb. 26	194.5
C-401c-F-16 704.7	Jan. 2 a	234.8		Mar. 31	194.1
	Jan. 22 a	235.4		May 5	193.4
	Mar. 4 a	237.1		June 3	194.7
	Mar. 25 a	237.8		July 1	201.3
	May 6 a	238.6		July 8	201.6
	May 27 a	239.2		July 28	200.2
	July 6 a	240.5		Aug. 12	196.1
	July 29 a	241.5		Sep. 2	199.8
	Sep. 9 a	244.0		Sep. 16	200.2
	Oct. 21 a	246.2		Sep. 30	199.3
C-404a-F-17 1115.0	Feb. 11	148.1		Nov. 4	196.5
	Mar. 11	147.9		Nov. 10	195.1
	Mar. 24	146.2		Dec. 1	199.5
	Apr. 14	140.2		Dec. 8	201.7
	May 13	130.4	C-446a-G-17 880.6	Jan. 15	91.1
	Aug. 4	149.5		Feb. 13	91.7
C-405-F-17 950.	Jan. 1 b	397.5		Mar. 4	92.0
	Feb. b	400.0		Mar. 29	92.4
	Mar. b	397.3		May 19	93.2
	Apr. b	397.2		June 16	93.4
	May b	396.7		July 6	93.5
	June b	402.0		Aug. 12	93.1
	July b	410.2		Sep. 2	92.9
	Aug. b	410.2		Sep. 22	92.8
	Sep. b	414.2		Oct. 28	92.3
	Oct. b	418.2		Nov. 19	92.3
	Nov. b	417.0		Dec. 8	92.4
	Dec. b	417.6	C-446c-G-17 869.7	Feb. 13	212.8
C-426a-F-17 .896.	Jan. 29	101.7		Mar. 4	203.3
	Mar. 22	92.0		Mar. 29	201.6
	Nov. 23	115.5		Apr. 29	200.8
C-432-G-17 739.9	Feb. 26	83.0		June 16 c	209.4
	Mar. 19	82.6		Nov. 29 d	209.4
	Dec. 1	72.8		Nov. 29	210.2
				Dec. 29	207.9

* Correction: R.P. elevation should be 741.0, beginning December 17, 1947.

a Measurement by San Gabriel Valley Protective Association.

b Measurement by owner.

c One hour shutdown.

d Air gage.

Measurements from Los Angeles County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1948			1948		
C-446e-G-18 934.4	Mar. 25 Apr. 18 Nov. 23	182.1 182.0 186.1	C-603b-G-19 Cont.	Aug. 14 a Nov. 24	292. 299.0
C-500-G-18 1029.0	Jan. 24 Feb. 19 Mar. 29 May 20 Sep. 23 Dec. 29	139.2 134.4 129.3 132.8 149.7 152.7	C-611-G-19 1044.0	Mar. 25 Dec. 1	281.5 294.0
C-512b-G-18 983.	Feb. 13 Mar. 18 Nov. 23	76.9 77.2 88.0	C-612a-G-18 1018.	Feb. 26 Mar. 29 Nov. 23	165.3 164.0 163.7
C-514-G-18 *	Feb. 13 Mar. 18 Mar. 19 Apr. 15 Apr. 29 May 6 June 3 July 1 Aug. 4 Sep. 2 Sep. 30 Oct. 14 Nov. 4 Nov. 26 Dec. 23	101.6 94.6 92.9 83.9 84.0 101.6 112.4 125.8 135.8 133.4 139.3 143.4 140.5 135.0 114.4	C-649-G-19 1030.0	Jan. 8 Feb. 9 Mar. 22 Apr. 21 May 19 June 16 July 6 Aug. 12 Sep. 15 Oct. 14 Nov. 24 Dec. 22	253.8 253.7 247.6 242.8 247.3 253.0 257.0 261.0 264.4 265.3 266.8 266.2
C-595-G-19 1134.3	Feb. 17 Mar. 19 Nov. 29	158.5 157.7 171.0	C-655q-F-19 1530.9	Feb. 25 Mar. 25 Nov. 24	44.0 43.5 44.4
	1947		C-656h-F-20 1831.0	Feb. 18 Mar. 28 Nov. 24	33.0 32.8 36.2
C-603b-G-19 **1092.8	Nov. 18	299.4	C-656i-F-20 2067.	Feb. 18 Mar. 25 Nov. 24	29.2 22.6 34.8
			C-658-G-20 ***1482.0	Feb. 9 b Mar. 15 b Apr. 12 b Nov. 1 b Dec. 20 b	162.1 166.1 160.6 186.2 191.8

* R. P. elevation 975. to and including March 19, 1948; then 971.0.

** New elevation; R. P. change.

*** Correction: R.P. elevation should be 1481.8 beginning February 4, 1933 to and including March 4, 1933; then 1482.2 to and including April 29, 1935; then 1482.0

a Measurement by Southern California Edison Company, Limited.

b Measurement by owner.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-659i-G-20 1511.8	Feb. 13 Mar. 18 Apr. 15 May 13 Dec. 22	182.3 186.8 185.0 187.3 209.0	C-676c-H-18 815.	Feb. 17 Mar. 23 Dec. 1	158.7 159.0 161.2
C-660c-G-19 1319.4	Feb. 17 Mar. 25 Apr. 29 Nov. 10	119.8 115.2 110.2 174.0	C-678k-H-19 807.5	Feb. 17 Mar. 22 Mar. 25 Nov. 24	109.4 114.9 112.7 114.8
C-664-G-20 1301.5	Jan. 8 a Feb. 8 a Feb. 18 Mar. 22 Apr. 1 a Apr. 21 a May 8 a June 1 a Dec. 8 b Dec. 13 a	286. 269. 250.6 236.2 232. 223. 228. 246. 325. 360.	C-701c-I-17 523.3	Jan. 8 Feb. 19 Mar. 9 Mar. 23 Apr. 28 May 27 June 29 Aug. 3 Sep. 1 Oct. 6 Nov. 10 Nov. 30 Dec. 29	31.2 31.0 30.1 30.2 28.5 30.7 36.8 37.2 40.4 39.5 39.0 38.8 37.5
C-666-G-19 1114.	Feb. 17 Nov. 27 Dec. 18	158.2 157.6 196.0	C-703-H-18 774.	Feb. 17 Mar. 23 Nov. 30	121.9 122.8 127.1
C-670h-H-19 950.3	Jan. 8 Feb. 17 Mar. 22 Apr. 21 May 19 June 29 Aug. 3 Sep. 1 Oct. 6 Nov. 10 Dec. 1	71.8 71.2 72.2 71.2 83.8 90.2 101.1 107.9 105.8 93.6 102.2	C-707-I-17 455.	Jan. 20 Mar. 23 Nov. 30	17.1 13.4 16.4
C-673-H-19 901.	Mar. 24 c	200.0	C-708-I-15 374.	Feb. 6 Mar. 23 Nov. 30	38.2 33.9 46.8
			C-803g-I-12 183.	Jan. 7 e Feb. 4 e Mar. 3 e Apr. 7 e May 5 e	30.0 30.0 29.7 29.5 29.7

a Measurement by owner.

b Air gage.

c Measurement from San Bernardino County Flood Control District.

d Pumping.

e Measurement by San Gabriel Valley Protective Association.

Measurements from Los Angeles County Flood Control District, except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-803g-I-12 Cont.	June 2 July 7 Aug. 4 Sep. 1 Oct. 6 Nov. 3 Dec. 1	31.7 32.0 35.5 38.4 41.7 43.3 44.4	C-811a-I-11 Cont.	June 10 July 1 Aug. 12 Sep. 2 Oct. 14 Nov. 4 Dec. 16	91.1 92.7 97.3 99.8 97.8 96.8 96.8
C-803r-I-12 211.	Aug. 23 a	75.	C-812-I-11 143.4	Feb. 5 Mar. 18 Apr. 8 May 20 June 10 July 1 Aug. 12 Sep. 2 Oct. 14 Nov. 4 Dec. 16	71.7 69.8 67.1 73.2 72.6 72.8 78.8 79.0 80.2 81.2 79.3
C-804q-I-13 230.5	Mar. 23 b Dec. 1 b	26.0 28.2	C-825g-J-12 135.5	Mar. 19 b Nov. 23 b	34.0 44.6
C-807-I-12 212.	Jan. 15 Feb. 5 Mar. 18 Apr. 8 May 20 June 10 July 1	69.2 69.9 72.0 69.1 75.0 70.2 73.7	C-829j-J-11 127.7	Jan. 17 b Feb. 1 b Mar. 9 b Apr. 3 b May 1 b June 4 b July 1 b Aug. 5 b Sep. 9 b Oct. 4 b Nov. 6 b Dec. 4 b	37.4 37.6 38.1 38.2 39.0 40.8 42.1 43.8 45.2 45.8 46.4 47.0
C-808-I-12 191.	Feb. 26 Mar. 18 Apr. 8 Apr. 29 May 20 June 10 July 1 July 22 Aug. 12 Nov. 5 Nov. 26 Dec. 16	72.6 73.4 73.3 73.6 74.4 75.4 75.2 76.6 78.2 83.7 85.0 86.0			
C-811a-I-11 152.1	Jan. 15 Feb. 5 Mar. 18 Apr. 8 May 20	85.9 86.2 85.2 85.7 90.2		1947	
			C-832-J-11 152.7	June 27 c	78.

a Measurement by owner.

b Measurement from Los Angeles County Flood Control District.

c Measurement by owner from Los Angeles County Flood Control District.

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-848-K-12 110.0	Jan. 5	30.7	C-853k-K-13 Cont.	Mar. 18	42.2
	Feb. 2	32.0		Apr. 8	42.1
	Mar. 8	32.9		May 20	44.8
	Mar. 22	32.8		June 10	45.2
	May 3	34.2		July 1	46.2
	June 7	37.1		Aug. 12	49.0
	July 5	39.4		Sep. 2	49.6
	Aug. 2	41.1		Oct. 14	50.4
	Sep. 6	42.1		Nov. 4	50.8
	Oct. 4	42.2			
	Nov. 1	41.9	C-856-L-13 *86.2	Jan. 23 a	38.1
	Nov. 29	41.4		Feb. 26 a	37.5
	Dec. 20	40.5		Mar. 23 a	38.2
C-853-K-13 110.	Feb. 5	42.7		Apr. 23 a	41.1
	Mar. 18	46.7		June 2 a	44.5
	Apr. 8	44.4		June 24 a	46.3
	May 20	48.9		July 14 a	47.2
	July 1	50.0		Aug. 24 a	48.1
	Aug. 12	53.8		Oct. 26 a	47.2
	Sep. 2	55.0		Nov. 24 a	41.8
	Oct. 14	54.1	C-858-L-13 76.2	Jan. 23 a	32.2
	Nov. 4	52.0		Feb. 26 a	35.6
	Dec. 16	51.1		Mar. 23 a	33.2
C-853a-K-13 126.2	Jan. 15	60.1		Mar. 26 b	32.2
	Feb. 5	60.3		Apr. 23 a	42.1
	Mar. 18	61.0		June 2 a	47.4
	Apr. 8	61.1		June 24 a	51.6
	May 20	62.7		July 14 a	53.6
	June 10	63.4		Aug. 24 a	53.0
	July 1	64.4		Sep. 23 a	51.3
	Aug. 12	67.0		Oct. 26 a	45.8
	Sep. 2	67.8		Nov. 24 a	42.9
	Oct. 14	68.3		Nov. 26 b	42.0
	Nov. 4	68.3		Dec. 28 a	36.9
	Dec. 16	69.0	C-861-L-12 **85.4	Jan. 15	29.1
C-853k-K-13 131.6	Jan. 15	41.5		Feb. 5	31.0
	Feb. 5	41.4		Feb. 26	29.9
				Apr. 8	27.9

* Correction: R.P. elevation should be 86.2, beginning November 28, 1947.
 ** Correction to all previous bulletins: R.P. elevation should be 85.9 to
 and including December 2, 1936; then 85.3 to and including January 13,
 1945; then 85.4.

a Measurement from Orange County Flood Control District.

b Measurement from Los Angeles County Flood Control District.

Measurements by San Gabriel Valley Protective Association from Los Angeles
 County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-861-L-12 Cont.	Apr. 29 May 20 June 10 July 1 July 22 Sep. 2 Sep. 23 Nov. 4	35.1 40.8 40.3 43.8 44.2 46.1 43.3 39.0	C-877d-L-11 Cont.	Apr. 30 a May 21 a July 2 a July 23 a Sep. 2 a Sep. 24 a Nov. 4 a	22.6 28.3 36.0 33.8 33.7 31.1 26.5
C-872-K-11 96.0	Jan. 15 Feb. 5 Mar. 18 Apr. 8 May 20 June 10 July 1 Aug. 12 Sep. 2 Oct. 14 Nov. 4 Dec. 16	31.0 31.9 33.2 31.1 41.4 42.9 42.9 46.3 44.9 43.3 41.0 37.8	C-885c-L-11 58.0	Jan. 16 Feb. 6 Mar. 19 Apr. 9 May 21 June 11 July 2 Aug. 13 Sep. 3 Oct. 15 Nov. 5 Dec. 17	12.6 13.5 17.7 13.6 23.7 24.9 26.3 29.8 29.3 26.6 21.1 19.5
C-872a-K-11 87.	Jan. 5 Feb. 2 Mar. 1 Apr. 5 May 3 June 7 July 5 Aug. 2 Sep. 6 Oct. 4 Nov. 1 Dec. 6	22.8 25.2 26.9 23.7 28.3 33.6 35.2 37.5 37.0 36.4 32.9 32.0	C-887-L-12 64.4	Apr. 13 a Nov. 26 a	22.7 30.5
C-877d-L-11 *	Jan. 16 a Feb. 6 a Mar. 19 a Apr. 9 a	18.7 18.8 19.8 18.2	C-891-L-13 58.2	Jan. 15 Feb. 5 Feb. 26 Mar. 26 Apr. 29 June 10 July 1 Aug. 12 Sep. 2 Sep. 23 Nov. 14 Nov. 26	24.0 27.7 31.9 29.4 41.0 51.1 54.2 56.9 55.8 52.2 39.0 37.7
			C-894-L-13 61.7	Jan. 23 b Feb. 26 b	29.3 35.3

* Corrections to all previous bulletins: R.P. elevation should be 71.7 to and including February 6, 1948; then 71.5, from levels by Los Angeles County Flood Control District and San Gabriel Valley Protective Association.

a Measurement from Los Angeles County Flood Control District.

b Measurement from Orange County Flood Control District.

Measurements by San Gabriel Valley Protective Association from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-894-L-13 Cont.	Mar. 23	34.1	C-900-M-13 Cont.	Aug. 9 a	61.3
	Apr. 23	38.8		Sep. 20 a	53.4
	June 2	50.0		Oct. 11 a	40.9
	June 24	51.4		Nov. 1 a	40.4
	Aug. 24	47.6		Dec. 13 a	36.6
	Sep. 23	41.9	C-908b-M-12 46.4	Jan. 16 a	37.3
	Oct. 26	47.0		Feb. 6 a	47.3
	Nov. 24	45.9		Mar. 19 a	55.4
	Dec. 28	36.5		Apr. 7 a	50.8
C-896e-M-13 53.6	Jan. 23	27.5		May 21 a	45.9
	Feb. 26	33.3		June 11 a	46.3
	Mar. 23	36.7		July 2 a	50.8
	Apr. 23	40.9		Aug. 13 a	54.5
	June 2	47.8		Sep. 3 a	50.9
	June 24	50.5		Oct. 15 a	44.8
	July 14	54.9		Nov. 5 a	41.6
	Aug. 24	54.3		Dec. 17 a	39.4
	Sep. 23	51.7	C-908e-M-12 32.5	Apr. 7 b	27.1
	Oct. 26	44.1		Nov. 29 b	32.7
	Nov. 24	40.9	C-909-N-13 22.8	Jan. 27	27.2
	Dec. 28	32.3		Feb. 27	40.9
C-897k-M-13 45.2	Jan. 23	20.6		Mar. 30	37.2
	Feb. 26	27.8		Apr. 27	31.6
	Mar. 23	31.6		June 4	36.9
	Apr. 23	38.8		July 27	47.0
	June 2	46.3		Sep. 24	36.0
	June 24	49.4		Oct. 28	30.9
	July 14	56.7		Nov. 26	26.7
	Aug. 24	55.9		Dec. 29	20.5
	Sep. 23	55.6	C-910b-0-13 8.1	Mar. 23 b	18.9
	Oct. 26	43.8		Dec. 2 b	11.4
	Nov. 24	40.3	C-911-0-13 12.0	Jan. 16 a	10.4
	Dec. 28	27.8		Feb. 17 a	18.7
C-900-M-13 35.3	Jan. 12 a	20.7		Mar. 10 a	23.9
	Feb. 2 a	37.6		Apr. 23 a	16.7
	Mar. 15 a	49.2		May 14 a	15.8
	Apr. 5 a	38.7		June 4 a	18.2
	May 17 a	45.7		Aug. 6 a	22.0
	June 7 a	45.8			
	July 19 a	60.9			

a Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

b Measurement from Los Angeles County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-911-0-13	Sep. 17	a 20.9	C-912b-0-13	Oct. 4	39.2
Cont.	Oct. 8	a 18.5	Cont.	Nov. 1	35.0
	Nov. 19	a 15.4		Dec. 6	32.5
	Dec. 10	a 14.4			
C-911b-N-13	Jan. 27	21.4	C-912c-0-13	Jan. 16	a 16.9
*	Feb. 27	30.2	21.4	Feb. 17	a 34.1
	Mar. 30	29.2		Apr. 27	a 29.6
	Apr. 27	25.4		Aug. 6	a 41.6
	June 4	25.3		Oct. 8	a 31.9
	June 25	25.1		Nov. 19	a 25.0
	July 27	29.4	C-913c-N-11	Jan. 5	b 35.8
	Aug. 20	31.6	37.5	Feb. 2	b 35.8
	Sep. 24	32.4		Mar. 2	b 35.9
	Oct. 28	30.7		Apr. 2	b 35.9
	Nov. 26	28.3		May 9	b 36.0
	Dec. 29	24.2		June 22	b 36.0
C-911f-0-12	Jan. 12	10.6		July 12	b 36.1
8.5	Jan. 19	10.4		Aug. 3	b 36.1
	Feb. 2	10.6		Sep. 1	b 36.1
	Mar. 1	12.6		Oct. 13	b 36.2
	Apr. 12	18.7		Nov. 7	b 36.3
	May 3	18.7		Dec. 6	b 36.3
	June 7	17.6	C-914b-N-12	Jan. 27	35.4
	July 12	17.7	**31.3	Feb. 27	45.9
	Aug. 2	20.6		Mar. 30	43.1
	Aug. 30	21.0		Apr. 27	39.1
	Oct. 4	19.6		June 4	37.7
	Nov. 1	18.5		July 27	42.9
	Dec. 6	13.6		Aug. 20	41.8
C-912b-0-13	Jan. 12	22.0		Sep. 24	38.4
32.0	Jan. 26	28.8		Oct. 28	37.1
	Apr. 5	40.9		Nov. 26	34.4
	May 17	35.2		Dec. 29	32.2
	June 7	36.5	C-926-M-11	Jan. 5	a 100.4
	June 21	36.3	68.9	Jan. 12	a 99.7
	July 26	46.7		Feb. 2	a 102.4
	Aug. 9	46.3		Mar. 1	a 105.8
	Aug. 30	42.7		Apr. 5	a 99.9

* R.P. elevation 14. to and including July 27, 1948; then 13.8.

** Correction to all previous bulletins: R.P. elevation should be 31.4 from levels by Orange County Flood Control District.

a Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

b Measurement from Los Angeles County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet
1948				1948			
C-926-M-11	May 3	a	103.6	C-942a-K-14	Sep. 23	a	90.5
Cont.	May 17	a	105.2	Cont.	Nov. 4	a	85.1
	June 7	a	103.6		Dec. 16	a	96.6
	July 5	a	105.3	C-950a-M-14	Jan. 23		68.0
	July 26	a	108.1	**70.0	Feb. 26		68.2
	Aug. 2	a	108.4		Mar. 23		68.6
	Sep. 6	a	112.9		Apr. 23		73.8
	Oct. 4	a	113.8		June 2		82.8
	Oct. 11	a	114.3		June 24		84.9
	Nov. 11	a	108.8		July 14		93.3
	Dec. 6	a	108.0		Aug. 24		92.9
C-927c-N-14	Jan. 9		38.7		Sep. 23		86.9
48.3	Feb. 6		53.2		Oct. 26		78.2
	Apr. 9		54.3		Nov. 24		75.8
	Oct. 14		57.5		Dec. 28		60.9
	Nov. 12		54.5	C-950e-M-13	Jan. 23		28.6
	Dec. 14		47.7	49.5	Feb. 26		38.5
C-929f-L-11	Jan. 5	a	66.7		Mar. 23		39.3
*	Feb. 2	a	74.0		Apr. 23		44.8
	Mar. 1	a	72.3		June 24		55.4
	Apr. 5	a	64.1		July 14		59.5
	May 3	a	70.1		Aug. 24		61.3
	June 7	a	77.1		Sep. 23		54.9
	July 5	a	79.9		Oct. 26		46.5
	Aug. 2	a	85.6		Nov. 24		42.6
	Sep. 6	a	86.1		Dec. 28		32.5
	Oct. 4	a	86.3	C-950n-M-14	Jan. 9		47.6
	Nov. 1	a	77.0	**63.7	Feb. 6		62.2
	Dec. 6	a	73.1		Mar. 5		68.8
C-937b-N-11	Apr. 7	b	56.3		Apr. 9		58.3
35.1	Nov. 29	b	66.7		May 11		77.8
					June 11		80.2
C-942a-K-14	Jan. 14	a	73.0		July 12		93.3
144.	Feb. 5	a	73.4		Aug. 5		93.4
	Mar. 18	a	76.7		Sep. 8		94.3
	Apr. 8	a	74.8		Oct. 14		77.4
	June 10	a	82.5		Nov. 15		85.4
	July 1	a	82.7		Dec. 14		63.1

* R.P. elevation 53.8 to and including January 25, 1948; then 53.4.

** Correction: R.P. elevation should be 70.0 beginning July 17, 1941 to and including October 4, 1941; then 77.3 to and including May 18, 1944; then 70.0.

*** Correction: R.P. elevation should be 63.7 beginning March 10, 1942.

a Measurement by San Gabriel Valley Protective Association from Los Angeles County Flood Control District.

b Measurement from Los Angeles County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-957-H-11 303.0	Feb. 29 Aug. 31 Oct. 31 Dec. 31	92. 91. 91. 89.	C-965-I-11 Cont.	July 31 Aug. 31 Sep. 30 Oct. 31 Nov. 30 Dec. 31	147. 125. 149. 124. 143. 118.
C-960-I-11 192.9	Apr. 15 May 1 May 31 June 28 July 31 Aug. 31 Sep. 30 Oct. 31 Nov. 30 Dec. 31	203. 166. 200. 170. 208. 173. 209. 173. 204. 170.	C-966-I-11 145.5	Feb. 29 Aug. 31 Oct. 31 Dec. 31	100. 110. 111. 100.
C-961-I-11 *197.0	Feb. 29 Aug. 31 Oct. 31 Dec. 31	163. 174. 172. 170.	C-968-K-15 350.9	Jan. 16 a Apr. 14 a Aug. 19 a Nov. 12 a	50.4 51.4 50.2 49.4
C-962-I-11 196.0	Feb. 29 May 1 June 28 Aug. 31 Oct. 31 Dec. 31	155. 155. 159. 167. 172. 163.	C-969a-K-16 386.9	Jan. 16 a Apr. 14 a Aug. 19 a	110.1 107.5 115.1
C-963-I-11 228.3	Feb. 29 May 1 June 28 Aug. 31 Oct. 31 Dec. 31	193. 190. 196. 200. 200. 198.	C-973b-L-16 249.	Jan. 16 a Apr. 14 a Aug. 19 a	93.2 93.7 94.3
C-965-I-11 159.5	Feb. 29 Apr. 15 May 1 May 31 June 28	110. 140. 113. 146. 117.	C-974m-L-16 176.2	Jan. 8 a Feb. 5 a Mar. 4 a Apr. 8 a May 7 a June 10 a July 2 a Aug. 6 a Sep. 7 a Oct. 8 a Nov. 9 a Dec. 7 a	147.8 150.2 150.8 151.4 151.7 154.5 157.5 162.2 163.5 164.3 163.9 164.8
			C-974n-M-16 197.8	Jan. 2 a Feb. 10 a	160.7 161.8

* Correction to all previous bulletins: R.P. elevation should be 197.0.
a Measurement from Orange County Flood Control District.
Measurements by owner from Los Angeles County Flood Control District
except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-974n-M-16 Cont.	Mar. 11	163.4	C-976c-M-15 152.9	Jan. 1 bc	128.
	Apr. 1	163.0		Feb. 1 bc	129.
	May 6	164.0		Mar. 1 bc	129.
	June 3	168.0		Apr. 1 bc	132.
	July 1 a	174.7		May 1 bc	130.
	Aug. 13 a	179.3		June 1 bc	135.
	Sep. 2 a	181.6		July 1 bc	136.
	Oct. 7	179.4		Aug. 1 bc	141.
	Nov. 4	178.7		Sep. 1 bc	143.
	Dec. 2	181.1		Oct. 1 bc	142.
				Nov. 1 dc	140.
				Dec. 1 dc	140.
C-975-L-16 155.6	Jan. 8	114.3	C-977b-M-16 167.9	Jan. 8	138.1
	Feb. 5	114.7		Feb. 5	140.1
	Mar. 4	115.1		Mar. 4	142.2
	Apr. 8	117.5		Apr. 8	145.1
	May 7	117.2		May 7	142.8
	June 10	118.5		June 10	145.0
	July 2	119.5		July 1	153.1
	Aug. 6	120.6		Sep. 7	154.8
	Sep. 7	122.1		Nov. 9	158.7
	Oct. 8	123.3		Dec. 7	155.0
	Nov. 9	123.1			
	Dec. 7	125.5			
C-975k-L-16 141.4	Jan. 8	108.3	C-978-M-16 *173.8	Feb. 3	146.5
	Mar. 4	108.0		Mar. 2	146.7
	Apr. 8	107.8		Apr. 6	148.3
	May 7	108.1		May 4	149.6
	June 10	115.7		June 8	151.0
	Aug. 6	120.7		Aug. 3	159.8
	Sep. 7	122.1		Oct. 5	163.0
	Oct. 8	123.9		Nov. 5	161.2
	Nov. 9	121.6			
	Dec. 7	122.8	C-978a-M-16 **149.8	Jan. 5	124.0
C-975w-M-15 148.3	Jan. 5	111.8		Feb. 2	132.3
	Feb. 2	113.3		Mar. 15	135.1
	Mar. 1	112.2		Apr. 5	134.5
	Mar. 29	112.1		May 3	130.4
	Apr. 5	112.8		June 7	141.0
				July 6	155.2

* Correction: R.P. elevation should be 173.5 beginning September 14, 1933, to and including September 21, 1935; then 174.2 to and including March 14, 1939; then 173.8.

** Correction: R.P. elevation should be 149.8, beginning May 6, 1944.

a Pumping nearby.

b Measurement from owner.

c Air gage. Pumping.

d Measurement by owner.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-978a-M-16	Aug. 2	145.3	C-983-M-14	Oct. 14	53.0
Cont.	Aug. 16	143.3	Cont.	Nov. 15	53.4
	Oct. 4	142.9		Dec. 14	53.3
	Nov. 1	141.2	C-983e-M-15	Jan. 8	87.6
	Dec. 6	144.5	***108.0	Feb. 5	89.0
C-980-L-15	Jan. 23	87.7		Mar. 4	90.0
113.3	Feb. 26	84.2		Apr. 8	87.7
	Mar. 23	85.7		May 7	91.2
	Apr. 23	84.3		June 10	94.1
	June 2	97.2		Aug. 6	99.2
	June 24	98.0		Sep. 7	103.3
	July 14	101.8		Oct. 8	103.8
	Aug. 24	102.6		Dec. 7	100.1
	Sep. 23	99.8	C-984b-N-14	Jan. 7	40.9
	Oct. 26	101.9	60.7	Feb. 4	47.5
	Nov. 24	102.2		Feb. 18	42.8
	Dec. 28	92.4		Mar. 10	48.6
C-982L-M-14	Jan. 9	46.5		Apr. 14	43.9
*91.7	Feb. 6	47.1		Apr. 28	47.5
	Mar. 5	47.7		May 5	46.4
	Apr. 9	47.2		May 26	54.0
	May 11	49.0		June 9	50.5
	June 11	52.2		July 14	59.0
	July 12	52.2		Aug. 4	60.6
	Aug. 5	53.1		Sep. 1	56.4
	Sep. 8	53.0		Sep. 15	57.9
	Oct. 14	53.0		Oct. 6	56.0
	Nov. 15	52.2		Nov. 3	51.1
	Dec. 14	51.3		Nov. 10	53.2
C-983-M-14	Jan. 9	48.8		Dec. 1	52.0
92.6	Feb. 6	49.1	C-985-N-14	Jan. 9	36.8
	Mar. 5	48.5	60.6	Feb. 6	41.8
	Apr. 9	48.4		Mar. 5	42.8
	May 11	48.5		Oct. 14	49.7
	June 11	49.0		Dec. 14	44.6
	July 12	50.7	C-986e-N-15	Jan. 13	93.0
	Aug. 5	50.8	***112.1	Feb. 13	93.2
	Sep. 8	52.2			

* Correction: R.P. elevation should be 91.7, beginning January 13, 1931.

** Correction: R.P. elevation should be 108.0, beginning June 1, 1933.

*** Corrections to all previous bulletins: R.P. elevation should be 111.6 to and including June 11, 1930; then 111.7 to and including February 2, 1932; then 111.6 to and including December 7, 1937; then 112.1 from levels by Orange County Flood Control District. Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-986e-N-15	Mar. 9	95.0	C-992e-P-13	Aug. 2	24.2
Cont.	Apr. 13	93.8	Cont.	Aug. 30	22.8
	May 14	96.5		Oct. 4	23.1
	June 15	97.1		Nov. 1	19.2
	July 7	99.7		Nov. 29	18.1
	Aug. 10	104.4			
	Sep. 10	101.8	C-993-P-14	Jan. 15	23.4
	Oct. 15	103.4	27.9	Apr. 15	29.8
	Nov. 16	103.3		May 18	28.6
	Dec. 16	102.2		June 17	28.5
C-991e-0-13	Jan. 7	13.6		July 15	33.7
*17.4	Feb. 4	29.0		Aug. 12	34.7
	Mar. 3	36.0		Sep. 14	33.4
	Mar. 31	31.1		Oct. 19	31.4
	May 5	22.3		Nov. 18	28.2
	June 2	24.0		Dec. 15	28.1
	June 30	24.4	C-997-P-14	Jan. 15	55.2
	Aug. 4	31.0	56.1	Feb. 17	59.5
	Sep. 1	28.4		Mar. 12	61.9
	Sep. 29	29.0		Apr. 15	61.0
	Nov. 3	23.4		May 18	60.2
	Dec. 1	21.7		June 17	59.5
C-992b-P-14	Jan. 15	18.4		July 15	59.9
22.2	Mar. 12	37.4		Aug. 12	60.2
	Apr. 15	24.4		Sep. 14	61.6
	May 18	24.2		Oct. 19	61.1
	June 17	23.9		Nov. 18	60.6
	July 15	28.6		Dec. 15	60.1
	Aug. 12	29.5	C-997c-Q-14	Jan. 15	29.4
	Sep. 14	28.1	32.6	Feb. 17	30.2
	Oct. 19	25.5			
	Nov. 18	24.1	C-997d-Q-14	Jan. 15	51.1
	Dec. 15	22.4	52.8	Feb. 17	52.8
C-992e-P-13	Jan. 12	11.8		Mar. 12	55.1
15.4	Feb. 2	25.9		Apr. 15	57.5
	Feb. 9	26.7		May 18	57.2
	Apr. 12	20.5		June 17	56.8
	May 3	17.3		July 15	56.6
	June 7	19.2		Aug. 12	57.2
	July 6	20.4		Sep. 14	57.5
				Oct. 19	57.4

* Correction: R.P. elevation should be 17.4, beginning June 1, 1933.
Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-997d-Q-14	Nov. 18	56.9	C-1059-M-17	June 9	189.9
Cont.	Dec. 15	56.6	Cont.	June 30	185.4
C-999f-P-14	Jan. 15	45.1		July 28	193.2
49.1	Feb. 17	59.8		Sep. 1	195.7
	Mar. 12	61.9		Sep. 29	198.6
	Apr. 15	53.4		Oct. 27	199.1
	May 18	51.2	C-1065-M-16	Jan. 6	164.9
	June 17	51.1	202.0	Feb. 3	166.4
	July 15	54.1		Mar. 2	166.3
	Aug. 12	54.9		Apr. 6	166.8
	Sep. 14	54.1		May 4	167.6
	Oct. 19	52.4		June 8	171.6
	Nov. 18	50.9		July 2	173.6
	Dec. 15	50.6		Aug. 3	178.2
C-1056-M-16	Mar. 2	161.7		Sep. 3	181.6
201.2	May 4	162.2		Oct. 5	183.9
	June 8	165.2		Nov. 5	184.0
	Sep. 3	177.4		Dec. 3	185.1
	Dec. 3	203.5	C-1073-M-17	Feb. 3	177.0
C-1058-M-17	Jan. 3 a	173.0	*215.9	Mar. 2	177.1
203.8	Jan. 23 a	185.0		Apr. 6	178.4
	Feb. 7 a	178.0		Dec. 3	196.8
	Feb. 28 a	175.0	C-1078d-M-17	Jan. 6 b	176.8
	Mar. 27 a	175.0	**238.6	Feb. 3	178.6
	May 1 a	175.0		Mar. 2	177.2
	Sep. 29 a	230.0		Apr. 6	178.1
	Oct. 21 a	220.0		June 8	183.7
	Nov. a	223.0		July 2	182.8
	Dec. 24 a	193.0		Aug. 3	186.1
C-1059-M-17	Jan. 7	178.2		Dec. 3 b	202.8
207.4	Feb. 4	179.6	C-1079a-M-17	Feb. 3	174.5
	Mar. 3	179.2	248.3	Mar. 2	169.9
	Mar. 31	179.9		Apr. 6	167.5
	May 5	179.8		July 2	171.2
	May 19	181.1			

* Correction to all previous bulletins: R.P. elevation should be 216.7 to and including December 7, 1928; then 216.8 to and including January 27, 1937; then 215.9, from corrected levels by Orange County Flood Control District.

** Correction: R.P. elevation should be 238.5 to and including February 9, 1933; then 238.6.

a Measurement from Santa Ana Valley Irrigation Company.

b Pumping nearby.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1082-L-18 260.5	Jan. 7 Jan. 28 Mar. 3 Mar. 31 May 5 June 2 June 30 July 28 Sep. 1 Oct. 6 Nov. 3 Dec. 1	70.4 72.3 68.2 65.7 57.0 57.7 61.1 65.0 71.3 76.6 81.5 87.9	C-1105a-N-17 246.2	Feb. 24 Mar. 19 Apr. 22 May 19 June 23 July 23 Aug. 17 Oct. 27 Nov. 18 Dec. 23	216.1 216.0 215.6 217.3 221.2 225.2 228.4 231.3 235.1 234.2
C-1085-L-17 245.	Jan. 6 Feb. 3 Mar. 2 Apr. 6 May 4 June 8 July 2 Aug. 3 Sep. 3 Oct. 5 Nov. 5 Dec. 3	178.8 179.6 182.7 183.8 181.9 181.1 185.5 189.3 193.5 198.2 198.9 199.9	C-1105b-M-17 273.5	Jan. 22 Feb. 24 Mar. 19 Apr. 22 May 19 June 23 July 23 Aug. 17 Sep. 21 Oct. 27 Nov. 18 Dec. 23	247.9 246.5 246.4 244.7 246.5 250.3 254.6 257.6 262.0 264.5 265.4 264.4
C-1089-L-16 228.8	Jan. 6 Feb. 3 Mar. 2 Apr. 6 May 4 June 8 Aug. 3 Oct. 5 Nov. 5	186.9 188.3 188.9 190.6 196.6 202.9 206.6 203.5 205.2	C-1109g-N-18 *332.4	Jan. 22 Feb. 24 Mar. 19 Apr. 22 June 23 July 23 Aug. 17 Sep. 21 Nov. 18 Dec. 23	298.9 299.2 280.0 279.6 305.9 314.9 319.1 328.9 335.0 329.7
C-1097-L-17 336.2	Jan. 16 Apr. 14 Aug. 19 Nov. 12	163.8 164.6 169.6 171.7	C-1109i-N-18 **410.2	Jan. 22 Feb. 24 Mar. 19 Apr. 22 May 19	48.5 49.3 57.5 57.7 58.9

* Correction to all previous bulletins: R.P. elevation should be 332.7 to and including May 25, 1932; then 332.4, from levels by Orange County Flood Control District.

** New R. P. Elevation.

Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1112-N-18 290.4	Jan. 3 a	260.0	C-1122b-N-16	June 8	136.2
	Feb. 7 a	263.0	P. Cont.	July 2	137.4
	Mar. 6 a	263.0		Aug. 3	138.9
	Mar. 27 a	264.0		Sep. 3	140.3
	May 1 a	264.0		Oct. 5	141.5
	Dec. 24 a	285.0		Nov. 5	142.5
C-1113-N-17 *252.6	Feb. 10	224.4		Dec. 3	143.2
C-1120-N-16 151.4	Jan. 7	123.8	C-1123b-N-16	Feb. 2	119.2
	Feb. 4	125.0	R. 145.	Feb. 16	118.7
	Mar. 3	125.6		Mar. 15	118.8
	Mar. 31	126.1		Apr. 5	118.8
	May 5	125.8		Apr. 19	117.1
	June 2	128.3		May 3	118.1
	June 30	129.7		June 7	122.8
	July 28	132.1		July 6	126.6
	Sep. 1	134.5		Aug. 2	128.1
	Sep. 29	135.6		Sep. 13	128.5
	Nov. 3	136.0		Sep. 27	129.5
	Nov. 17	136.9		Oct. 11	130.5
	Dec. 1	136.8		Oct. 25	130.6
C-1121b-N-17 179.4	Jan. 22	150.6	C-1126b-M-16	Jan. 5	141.8
	Feb. 24	148.6	175.3	Feb. 2	143.6
	Mar. 19	149.0		Feb. 16	142.3
	Apr. 22	148.8		Mar. 1	142.9
	May 19	154.7		Mar. 8	146.1
	June 23	156.1		Mar. 29	142.3
	July 23	158.0		May 3	144.6
	Aug. 17	164.5		June 7	149.9
	Sep. 21	167.2		June 14	153.3
	Nov. 18	167.6		June 21	149.5
	Dec. 23	163.7		July 19	155.1
C-1122b-N-16 162.7	Jan. 6	133.2		July 26	155.0
	Feb. 3	134.5		Sep. 13	157.0
	Mar. 2	136.4		Oct. 4	157.0
	Apr. 6	136.7		Nov. 1	161.3
	May 4	134.4		Dec. 6	158.2

* Correction: R.P. elevation should be 252.8 for February 2, 1934 only.
Beginning September 7, 1934, R.P. elevation should be 252.6.
a Measurement from Santa Ana Valley Irrigation Company.
Measurements from Orange County Flood Control District, except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1128a-N-16 140.1	Jan. 13	121.2	C-1131-N-17	Jan. 22	129.8
	Feb. 13	119.5	**160.1	Feb. 24	130.3
	Mar. 9	121.8		Mar. 19	130.8
	Apr. 13	120.0		Apr. 22	130.6
	May 14	122.1		May 19	132.8
	July 7	126.2		June 23	134.3
	Aug. 10	127.0		July 23	137.1
	Oct. 15	129.7		Aug. 17	143.0
	Nov. 16	130.1		Sep. 21	146.1
	Dec. 16	132.9		Oct. 27	142.4
				Nov. 18	143.2
C-1129m-N-16 136.1	Jan. 13	114.2		Dec. 23	142.7
	Feb. 13	115.9			
	Mar. 9	119.6	C-1140e-N-16	Jan. 13	103.1
	Apr. 13	117.1	119.	Feb. 13	102.0
	May 14	119.3		Mar. 9	105.9
	June 15	121.4		Apr. 13	104.2
	July 7	126.3		July 7	122.2
	Aug. 10	127.8		Oct. 15	113.0
	Sep. 10	127.8		Dec. 16	112.0
	Oct. 15	126.9			
	Nov. 16	127.1	C-1150b-N-17	Jan. 3 a	184.0
	Dec. 16	129.2	206.3	Feb. 7 a	185.0
				Feb. 28 a	184.0
C-1130a-N-15 *107.4	Jan. 13	87.7		Mar. 27 a	185.0
	Feb. 13	89.4		May 1 a	185.0
	Mar. 9	90.9		Sep. a	212.0
	Apr. 13	91.4		Oct. a	211.0
	May 14	91.8		Nov. a	210.0
	June 15	93.5		Dec. 24 a	200.3
	Aug. 10	97.8			
	Sep. 10	98.6	C-1153b-O-15	Jan. 13	81.3
	Oct. 15	99.1	***93.6	Feb. 13	77.7
	Nov. 16	98.8		Mar. 9	88.2
	Dec. 16	98.1		Apr. 13	78.8

* Correction to all previous bulletins: R.P. elevation should be 107.4 to and including October 20, 1932; then 107.3 to and including August 30, 1934; then 107.4, from levels by Orange County Flood Control District.

** Correction to all previous bulletins: R.P. elevation should be 160.1, beginning November 17, 1928, from levels by Division of Engineering and Irrigation.

*** Correction to all previous bulletins: R.P. elevation should be 93.7 to and including October 6, 1930; then 93.6; from levels by Orange County Flood Control District.

a - Measurement from Santa Ana Valley Irrigation Company.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1153b-O-15 Gont.	May 14	86.3	C-1162-O-16	Mar. 9	78.8
	June 15	83.6	Cont.	Apr. 13	76.1
	July 7	90.4		May 14	81.5
	Aug. 10	95.1		June 15	80.3
	Sep. 10	85.9		July 7	81.2
	Oct. 15	84.8		Aug. 10	84.2
	Nov. 16	87.3		Sep. 10	85.8
	Dec. 16	84.0		Oct. 15	84.4
				Nov. 16	84.0
				Dec. 16	85.2
C-1157a-N-15 *85.0	Jan. 12	66.8	C-1168-O-15	Jan. 13	59.9
	Feb. 2	73.2	75.5	Feb. 13	64.1
	Mar. 1	74.1		Mar. 9	71.1
	Mar. 29	73.7		Apr. 13	66.1
	May 3	72.8		May 14	69.3
	June 7	75.3		Aug. 10	78.8
	June 21	76.4		Sep. 10	74.6
	July 19	80.2		Oct. 15	73.2
	Aug. 2	82.0		Nov. 16	70.5
	Aug. 30	82.2		Dec. 16	68.1
	Oct. 4	80.1			
	Nov. 1	78.0	C-1180-P-17	Jan. 16	29.6
	Nov. 29	78.7	38.3	Feb. 19	54.0
C-1160a-O-16 88.1	Jan. 13	66.2		Mar. 16	66.1
	Feb. 13	72.0		Apr. 16	53.4
	Mar. 9	78.0		May 21	44.0
	Apr. 13	72.0		June 18	47.7
	May 14	81.0		July 20	64.6
	June 14	78.7		Aug. 13	59.2
	July 7	79.6		Sep. 16	48.8
	Aug. 10	83.3		Oct. 21	45.8
	Sep. 10	82.9		Nov. 19	41.8
	Oct. 15	80.2		Dec. 17	40.6
	Nov. 16	79.2			
	Dec. 16	79.6	C-1193a-O-17	Jan. 22	139.1
C-1162-O-16 **96.6	Jan. 13	74.0	***171.1	Feb. 24	139.6
	Feb. 13	75.1		Mar. 19	140.6

* Correction to all previous bulletins: R.P. elevation should be 85.0, beginning August 2, 1933, from levels by Orange County Flood Control District.

** Correction to all previous bulletins: R.P. elevation should be 96.6 to and including April 22, 1929; then 96.8 to and including June 7, 1930; then 96.4 to and including April 29, 1931; then 96.6, from corrected levels by Orange County Flood Control District.

*** Corrections to bulletin 39 to 39-0 inclusively: R.P. elevations published should be lowered 0.7 feet, from levels by Orange County Flood Control District.

Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1193a-O-17 Cont.	Apr. 22	141.0	C-1198-O-17	Feb. 10	127.5
	May 19	145.2	148.7		
	June 23	145.7	C-1201-P-15	Jan. 15	36.6
	July 23	148.8	45.8	Feb. 17 a	
	Aug. 17	151.0	C-1206b-P-17	Jan. 16	66.9
	Sep. 21	154.3	**86.8	Feb. 19	75.4
	Oct. 27	155.2		Mar. 16	83.0
	Nov. 18	156.1		Apr. 16	81.2
	Dec. 23	155.8		May 21	85.8
C-1195b-C-18 *180.7	Jan. 7	157.1		June 18	87.5
	Feb. 4	163.0		July 20	93.2
	Mar. 3	155.9		Aug. 13	94.4
	Mar. 31	157.5		Sep. 16	93.4
	May 5	156.9		Oct. 21	98.3
	May 26	168.8		Nov. 19	87.1
	June 16	166.3		Dec. 17	93.2
	June 30	170.4			
	Aug. 4	173.6	C-1208b-P-18	Mar. 8 b	69.8
	Sep. 1	177.0	86.8		
	Sep. 22	176.1			
	Oct. 6	177.9	C-1211a-P-18	Jan. 20	101.0
	Oct. 27	176.1	105.9	Feb. 20	85.5
	Dec. 1	178.8		Mar. 25 c	135.3
C-1197-O-17 151.6	Jan. 22	112.7		Apr. 20 c	137.5
	Feb. 24	112.9		May 25 c	138.0
	Mar. 19	111.3		June 22	154.5
	Apr. 22	114.8		July 22	156.0
	May 19	114.7		Aug. 19	154.4
	June 23	115.8		Sep. 17 c	161.8
	July 23	118.0		Oct. 22 c	158.2
	Aug. 17	118.6		Nov. 23	161.8
	Sep. 21	120.5		Dec. 21	158.2
	Oct. 27	122.0			
	Nov. 18	120.9	C-1211c-P-18	Feb. 20	134.5
	Dec. 23	121.2	156.5	Mar. 18	148.8

* Correction to all previous bulletins: R.P. elevation should be 180.7, from corrected levels by Orange County Flood Control District.

** Correction to all previous bulletins: R.P. elevation should be 87.9 to and including February 26, 1932; then 86.8, from levels by Orange County Flood Control District.

a Water below obstruction at 43.5 feet to end of year.

b Measurement from owner.

c Pumping nearby.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1211c-P-18 Cont.	Apr. 20 June 22 July 22 Nov. 23	144.6 166.4 185.0 156.9	C-1220a-Q-18 Cont.	Sep. 17 Oct. 22 Nov. 23 Dec. 21	92.6 91.3 91.2 90.8
C-1211k-P-18 77.7	Jan. 20 Feb. 20 June 22 Aug. 19 Sep. 17 Oct. 22 Nov. 23 Dec. 21	63.6 61.2 95.5 109.4 101.4 92.0 85.8 84.4	C-1220p-Q-19 221.2	Jan. 20 Feb. 20 Mar. 18 Apr. 20 May 25 Aug. 19 Sep. 17 Oct. 22 Dec. 21	151.0 154.6 156.7 154.3 154.0 156.4 155.9 160.1 154.1
C-1216b-P-19 220.2	Jan. 20 Feb. 20 May 25 July 22 Oct. 22 Dec. 21	198.2 201.1 208.4 237.5 219.9 204.6	C-1222n-P-18 99.4	Apr. 6 b	107.2
C-1217a-Q-19 283.4	Jan. 20 Feb. 20 Mar. 18 Apr. 20 a May 25 June 22 a Aug. 19 Sep. 17 Oct. 22 Nov. 23 Dec. 21	249.1 246.1 259.6 263.0 252.9 265.1 268.4 263.3 265.7 259.6 255.1	C-1224-Q-18 96.	Jan. 20 Feb. 20 Mar. 18 Apr. 20 a May 25 June 22 July 22 Aug. 19 Oct. 22 Nov. 23	57.0 57.4 66.4 68.7 70.6 71.6 77.1 68.5 70.0 64.3
C-1220a-Q-18 *155.	Jan. 20 Mar. 18 Apr. 20 May 25 June 22 July 22 Aug. 19	82.0 86.6 86.8 88.2 89.6 92.2 91.6	C-1225-Q-18 101.0	Jan. 20 Feb. 20 Mar. 18 Apr. 20 May 25 June 22 July 22 Aug. 19 Sep. 17 Nov. 23 Dec. 21	11.1 11.4 11.6 11.9 12.3 12.6 13.1 13.2 13.8 14.8 14.7

* Correction: R.P. elevation should be 155., beginning April 3, 1936.

a Pumping nearby.

b Measurement from owner.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1230-P-17 54.2	Jan. 16	23.8	C-1237L-P-17 Cont.	Mar. 16	38.6
	Feb. 19	26.2		Apr. 16	29.2
	Mar. 16	29.6		May 21	24.4
	Apr. 16	24.6		June 18	28.3
	May 21	25.3		July 20	34.9
	June 18	25.8		Aug. 13	34.7
	July 20 a	29.4		Sep. 16	32.2
	Aug. 13	30.0		Oct. 21	32.3
	Sep. 16	28.4		Nov. 19	29.7
	Oct. 21	28.4		Dec. 17	28.5
	Nov. 19	28.8	C-1243-Q-16 40.1	Jan. 16	20.4
	Dec. 17	28.7		Feb. 19	21.9
C-1231b-P-17 *39.9	Jan. 16	32.3		Mar. 16	25.4
	Feb. 19	62.7		Apr. 16	25.8
	Mar. 16	57.2		May 21	23.4
	Apr. 16	59.2		June 18	24.9
	May 21	48.8		July 20	29.0
	June 18	55.3		Aug. 13	28.6
	July 20	68.1		Sep. 16	27.5
	Aug. 13	61.6		Oct. 21	26.1
	Sep. 16	56.6		Nov. 19	24.3
	Oct. 21	50.4		Dec. 17	23.1
	Nov. 19	45.1	C-1249-Q-16 40.2	Jan. 16	40.8
	Dec. 17	46.2		Feb. 19	62.6
C-1232-P-17 75.7	Jan. 16	32.4		Mar. 16	70.2
	Feb. 19	32.8		Apr. 16	59.8
	Mar. 16	34.7		May 21	49.4
	Apr. 16	33.3		June 18	48.8
	May 21	34.5		July 20	59.2
	June 18	36.0		Aug. 13	60.7
	July 20	38.8		Sep. 16	52.2
	Aug. 13	38.0		Oct. 21	50.1
	Sep. 16	39.7		Nov. 19	48.5
	Oct. 21	39.1		Dec. 17	46.4
	Nov. 19	39.8	C-1250-P-15 37.6	Jan. 12	28.5
	Dec. 17	39.2		Feb. 9	32.3
C-1237L-P-17 35.2	Jan. 16	19.1		Mar. 22	33.1
	Feb. 19	29.4		Apr. 5	32.4

* Corrections to all previous bulletins: R.P. elevation should be 40.5 to and including June 25, 1930; then 39.1 to and including August 4, 1936; then 39.9, from levels by Orange County Flood Control District. a Pumping nearby.
Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1250-P-15	Apr. 26	26.5	C-1257-Q-15	Nov. 18	20.0
Cont.	May 17	30.9	Cont.	Dec. 15	18.4
	June 7	30.1			
	June 14	35.5	C-1263-Q-14	Jan. 7	7.2
	June 21	35.2	4.9	Feb. 4	3.2
	Aug. 9	35.3		Mar. 3	4.2
	Aug. 30	33.6		Mar. 31	4.8
	Oct. 4	32.2		May 5	5.0
	Oct. 25	37.1		June 2	5.6
	Nov. 8	36.1		June 30	6.3
	Nov. 29	36.8		Aug. 4	8.0
	Dec. 27	33.9		Sep. 1	8.9
				Sep. 29	9.0
C-1255-P-15	Jan. 15	21.9		Nov. 3	8.7
*27.4	Feb. 17	43.9		Dec. 1	8.5
	Mar. 12	46.0			
	Apr. 15	31.7	C-1263a-Q-14	Jan. 7	8.3
	May 18	31.0	6.8	Feb. 4	17.1
	June 17	31.5		Mar. 3	18.5
	July 15	37.2		Mar. 10	19.6
	Aug. 12	38.5		Mar. 31	17.1
	Sep. 14	33.4		May 5	8.6
	Oct. 19	30.0		June 2	8.1
	Nov. 18	27.2		June 30	8.4
	Dec. 15	27.3		Aug. 4	9.9
				Sep. 1	10.0
C-1257-Q-15	Jan. 15	13.1		Sep. 29	8.4
**14.0	Feb. 17	26.7		Nov. 3	7.3
	Mar. 12	39.1		Dec. 1	8.0
	Apr. 15	22.6		Dec. 15	9.0
	May 18	18.7			
	June 17	19.1	C-1264-Q-14	Jan. 15	8.9
	July 15	24.5	5.8	Feb. 17	15.4
	Aug. 12	23.3		Mar. 12	16.4
	Sep. 14	22.4		Apr. 15	8.6
	Oct. 19	20.0		May 18	6.9

* Correction to all previous bulletins: R.P. elevation should be 28.1 (top of cement cap, 1.3 feet above ground), to and including November 28, 1928; then 27.2 (top of casing 0.37 feet above ground), to and including February 17, 1931; then 27.9 to and including April 19, 1932; then 27.4 (0.27 feet above top of casing), from levels by Orange County Flood Control District.

** Correction: R.P. elevation should be 12.5 beginning July 18, 1940, to and including August 11, 1942; then 13.0 to and including December 12, 1947; then 14.0.

Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
C-1264-Q-14	June 17	7.0	C-1265-Q-15	Jan. 15	12.1
Cont.	July 15	7.7	*6.5	Feb. 17	24.0
	Aug. 12	8.4		Mar. 12	24.4
	Sep. 14	8.7		Apr. 15	12.4
	Oct. 19	7.8		May 18	9.6
	Nov. 18	7.3		June 17	9.6
	Dec. 15	7.8		Aug. 12	10.9
				Sep. 14	12.4
				Oct. 19	9.2
				Nov. 18	9.1
				Dec. 15	10.5

* Correction: R.P. elevation should be 6.5, beginning October 26, 1939. Measurements from Orange County Flood Control District.

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SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "D"

THE UNIVERSITY OF CHICAGO
OFFICE OF THE DEAN OF STUDENTS
IN CHARGE OF

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1946	
D-703a-H-20 990.	Mar. 29 a	268.0	D-711d-F-20 Cont.	Nov. 1 Dec. 1	245. 237.
D-705-F-20 1831.5	Jan. 7 b Feb. 3 b Mar. 3 b Apr. 28 b May 12 b June 9 b July 7 b Aug. 11 b Sep. 8 b	181.7 188.6 183.2 174.3 174.1 176.9 204.2 197.5 199.6		1947	
				Jan. 1 Feb. 11 Mar. 1 Apr. 1 May 1 June 1 July 8 Sep. 1 Oct. 1 Oct. 23	230. 227. 214. 209. 198. 198. 210. 231. 244. 254.
D-705g-F-20 1840.0	Jan. 26 b Feb. 2 b Mar. 1 b Apr. 5 b May 3 b June 7 b July 5 b Oct. 18 b	208.1 209.2 201.5 191. 185.7 200. 209.2 224.6		1948	
				Jan. 5 Feb. 1 Mar. 1 Apr. 15 May 1 June 21 July 1 Sep. 1 Oct. 22 Dec. 8	268. 275. 251. 250. 251. 269. 283. 303. 330. 295.
D-707-F-21 1840.4	Feb. 18 b Mar. 3 b Apr. 14 b	292.8 293.6 284.8			
D-711b-F-20 1692.	Mar. 29 a	344.8			
	1946				
D-711d-F-20 1574.4	Jan. 1 Feb. 1 Mar. 1 Apr. 1 Apr. 23 May 1 June 15 July 23 Aug. 15 Sep. 7 Oct. 1	204. 207. 209. 211. 237. 239. 237. 237. 253. 243. 240.	D-713b-G-20 1500.	Jan. 12 b Feb. 9 b Mar. 8 b Apr. 5 b May 3 b June 7 b July 5 b Nov. 8 b Dec. 6 b	280.5 293.7 295.0 294.9 295.0 297.0 299.7 320.0 322.0

a Measurement from San Bernardino County Flood Control District.

b Measurement from owner.

Measurements from Los Angeles County Flood Control District by Southern California Water Company except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-716-G-21 1212.8	Jan. 5 Feb. 9 Mar. 15 Apr. 5 Sep. 27 Oct. 25 Dec. 6	487. 487. 487. 486. 518. 502. 489.	D-728-H-20 1032.	Mar. 29 a	322.5
			D-729-H-20 985.	Mar. 29 a	280.5
D-718a-G-20 1215.	Jan. 5 Feb. 2 Mar. 8 Apr. 5 May 3 June 7 July 5 Aug. 23 Sep. 6 Oct. 4 Nov. 1 Dec. 6	486.1 487.3 486.1 486.1 488.4 488.4 491.9 492.9 494.7 493.1 494.5 495.8	D-734b-H-20 972.9	Mar. 29 a	268.8
			D-735-H-21 922.0	Mar. 26 a	223.4
D-721b-G-20 1049.4	Mar. 29 a	353.9	D-743h-I-19 771.	Mar. 29 a Dec. 30 a	83.4 83.8
D-723-G-20 1115.2	Mar. 29 a	390.6	D-743z-I-19 746.0	Jan. 8 b Feb. 9 b Mar. 22 b Mar. 29 a Apr. 21 b May 27 b June 29 b Aug. 3 b Sep. 1 b Oct. 6 b Nov. 10 b Dec. 1 b	60.8 64.0 71.2 62.0 64.9 76.4 83.6 89.7 89.4 75.0 74.2 75.8
D-724-G-21 1173.	Mar. 29 a	441.7		Dec. 29 b Dec. 30 a	66.1 66.0
D-727-H-21 1093.	Jan. 7 Jan. 21 Feb. 3 Mar. 3 Mar. 17 Mar. 31 Apr. 28 July 28 Aug. 24 Sep. 22 Oct. 21 Nov. 3	373.5 373.6 373.2 370.2 372.0 370.7 369.7 374.9 376.5 377.0 377.9 377.8	D-748c-I-21 805.9	Mar. 19 a	136.2
			D-750a-I-21 743.5	Dec. 29 a	84.4
			D-751-I-20 765.	Mar. 29 a Dec. 30 a	71.9 84.5
			D-752-I-20 712.8	Mar. 29 a Dec. 30 a	46.4 52.2

a Measurements from San Bernardino County Flood Control District.

b Measurements from Los Angeles County Flood Control District.

Measurements from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-753a-I-20 741.5	Mar. 29 a Dec. 30 a	66.9 69.7	D-768a-J-19 658.1	Mar. 30 a Dec. 31 a	21.7 24.9
D-735b-I-20 695.	Mar. 29 a Dec. 30 a	34.3 30.0	D-771a-J-20 *600.5	Jan. 13 Feb. 10 Mar. 12 Apr. 7 May 4 June 4 July 4 Aug. 3 Sep. 13 Oct. 5 Nov. 5 Dec. 8	14.1 14.6 16.7 16.5 14.2 17.5 22.7 29.0 23.3 23.2 19.8 19.5
D-754a-I-19 727.8	Dec. 30 a	50.5			
D-757a-I-19 659.4	Mar. 30 a Dec. 30 a	47.6 49.8	D-771e-J-20 583.8	Mar. 22 a Dec. 27 a	8.4 9.3
D-759b-I-20 668.1	Mar. 22 a Dec. 27 a	17.0 23.1	D-772-J-20 **	Jan. 6 Feb. 10 Mar. 11 Apr. 7 May 4 June 4 July 2 Aug. 3 Oct. 5 Nov. 5 Dec. 8	3.7 2.5 3.2 1.6 2.8 4.2 7.3 9.9 8.9 6.1 4.7
D-762a-I-21 692.6	Mar. 26 a	56.3	D-772a-J-20 609.0	Mar. 25 a	12.5
D-763-J-21 653.	Mar. 26 a Dec. 28 a	33.0 41.3	D-773-J-21 587.0	Mar. 25 a Dec. 28 a	6.9 6.5
D-764-J-21 631.8	Jan. 6 Feb. 10 Mar. 11 Mar. 22 a Apr. 6 May 4 June 4 July 2 Aug. 3 Nov. 5 Dec. 8	20.2 17.9 18.7 16.9 16.0 18.3 22.2 24.6 27.6 24.8 22.8			
D-766-J-20 603.5	Dec. 27 a	15.8			
D-768-J-19 704.8	Mar. 30 a Dec. 31 a	24.6 32.2			

* Correction to all previous bulletins: Top of casing 0.3 feet above ground should be 600.5 from levels by Orange County Flood Control District.

** Correction to previous bulletins: R.P. elevation should be 571.2 to and including November 14, 1941; then 571.3 corrected levels by Orange County Flood Control District.

a Measurements from San Bernardino County Flood Control District. Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-776c-J-20 555.5	Mar. 25 a Dec. 28 a	5.9 7.0	D-780b-K-20 Cont.	Oct. 19 Nov. 9 Dec. 8	17.2 15.8 15.3
D-776e-J-21 573.7	Jan. 13 Feb. 10 Mar. 12 Mar. 25 a Apr. 7 May 4 June 8 July 6 Aug. 3 b Sep. 13 Oct. 19 Nov. 9 b Dec. 8 Dec. 28 a	5.2 4.2 6.1 5.6 5.2 6.8 9.0 10.5 12.7 12.9 12.2 12.6 8.8 6.4	D-781a-K-21 ***	Jan. 13 Feb. 17 Mar. 12 Apr. 7 June 8 July 6 Sep. 13 Oct. 19 Nov. 9 Dec. 8	1.3 0.5 0.7 0.6 1.2 8.5 4.5 3.2 2.2 1.6
D-780-K-20 *523.7	Jan. 13 Feb. 17 Apr. 7 May 4 June 8 Sep. 13 Oct. 19 Nov. 9 Dec. 8	16.6 16.4 15.8 16.7 15.4 19.5 18.9 18.2 17.4	D-782-K-21 553.3	Jan. 14 Jan. 29 Mar. 12 Apr. 8 May 8 June 8 July 6 Aug. 10 Sep. 13 Oct. 18 Nov. 9 Dec. 14	25.5 24.8 23.6 22.8 22.4 23.6 24.6 26.2 27.5 28.7 29.3 29.3
D-780b-K-20 **535.8	Jan. 13 Feb. 10 Mar. 12 Apr. 7 May 4 June 8 July 6 Aug. 3 c Sep. 13	18.2 15.1 15.3 17.6 17.2 15.4 20.2 19.8	D-783-K-21 540.3	Jan. 14 Feb. 17 Mar. 16 Apr. 8 May 7 June 8 July 6 Aug. 10 Sep. 13	30.4 30.4 30.4 30.4 30.6 31.0 31.2 31.4 31.7

* Correction to previous bulletins, corrected levels by Orange County Flood Control District.

** Correction to previous bulletins, levels by Orange County Flood Control District.

*** Correction to previous bulletins: R.P. elevation 506.8 to and including January 22, 1941; then 510.0 to and including November 14, 1941; then 510.1 to and including December 14, 1943; then 506.5 from levels by Orange County Flood Control District.

a Measurement from San Bernardino County Flood Control District.

b Pumping.

c Pit dry.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1948			1948		
D-783-K-21	Oct. 18	31.9	D-789-L-21	Nov. 12	10.6
Cont.	Nov. 9	32.0	Cont.	Dec. 10	10.3
	Dec. 14	32.0			
D-784d-K-21	Jan. 13	1.2	D-801-K-21	Mar. 18 b	19.4
*	Feb. 17	0.6	564.2	Dec. 23 b	19.4
	Mar. 12	0.7	D-802-K-21	Jan. 15	29.3
	Apr. 7	1.1	545.6	Mar. 16	27.9
	May 4 a	7.6		Apr. 8	29.6
	June 8	1.2		May 11	34.4
	July 6	5.4		June 15	31.6
	Aug. 10 a	11.4		Sep. 14	33.8
	Sep. 13	5.7		Dec. 10	33.7
	Oct. 19	4.4	D-811a-K-22	Mar. 19 b	62.0
	Nov. 9	3.0	592.7	Dec. 23 b	62.1
	Dec. 8	2.8			
D-788-K-21	Mar. 22 b	3.8	D-812-K-22	Jan. 6	30.4
479.3	Dec. 24 b	4.2	562.8	Feb. 5	30.0
				June 4	42.0
D-788a-K-21	Jan. 14	6.1		Oct. 5	31.8
489.5	Mar. 3	6.1		Nov. 5	33.0
	Apr. 8	5.5	D-813-K-22	Jan. 6	8.4
	May 7	6.3	547.4	Feb. 3	8.8
	June 8	7.0		Mar. 11	9.2
	July 13	7.6		Apr. 6	8.7
	Aug. 10	8.0		Apr. 27	8.7
	Sep. 14	8.1		June 4	8.9
	Oct. 18	7.7		July 2	9.6
	Nov. 12	7.4		July 20	10.0
	Dec. 10	6.9		Aug. 31	9.5
D-789-L-21	Jan. 14	8.4		Oct. 5	9.2
477.6	Mar. 3	8.1		Nov. 5	9.0
	Apr. 9	7.9		Dec. 7	8.8
	May 7	8.4	D-902a-I-21	Mar. 19 b	94.7
	June 15	9.7	751.5		
	July 13	11.0			
	Aug. 13	11.2	D-903-I-21	Mar. 26 b	54.0
	Sep. 14	11.1	695.4		
	Oct. 18	11.3			

* Correction to previous bulletins: R.P. elevation should be 501.6 to and including February 6, 1940; then 501.7, corrected levels by Orange County Flood Control District.

a Well 0.5 mile north pumping.

b Measurement from San Bernardino County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
*D-904b-J-21 656.6	Jan. 6 Feb. 5 Mar. 11 Apr. 6	38.5 37.5 38.5 37.4	D-907a-J-22 606.9	Dec. 23 a	11.8
D-905-J-21 **632.2	Jan. 6 Feb. 5 Apr. 6 May 4 July 2 Aug. 3 Nov. 5 Dec. 7	24.0 23.4 23.5 23.9 31.8 34.0 33.7 31.2	D-908a-J-22 626.0	Mar. 18 a Dec. 23 a	22.5 23.4
D-905a-J-21 ***622.6	Jan. 6 Feb. 5 Mar. 11 Oct. 5 Dec. 7	20.0 22.6 24.8 21.4 21.0	D-909-J-22 xxx659.0	Jan. 6 Feb. 2 Apr. 6 Apr. 27 July 2 Aug. 31 Oct. 5 Nov. 5 Dec. 7	35.4 36.0 33.5 37.9 42.3 43.4 43.0 43.5 44.2
D-906b-J-21 x594.1	Jan. 6 Feb. 10 Apr. 6 Nov. 5 Dec. 7	6.7 7.5 6.6 18.9 14.5	D-910-I-22 726.0	Mar. 26 a Dec. 29 a	80.0 83.5
D-906d-J-21 603.1	Mar. 18 a Dec. 23 a	11.7 15.2	D-913-I-22 828.6	Mar. 18 a	153.4
	1947		D-914-I-22 780.3	Mar. 18 a	116.6
D-906i-J-21 xxx565.1	Dec. 2 a	7.4	D-915-I-22	Jan. 6 Feb. 3 Mar. 11 Apr. 6 Apr. 27 June 4 July 2 July 30 Aug. 31 Oct. 5 Nov. 5 Dec. 7	74.1 74.1 78.6 76.4 74.5 78.5 79.6 81.1 81.0 80.2 79.2 80.7
	1948				
	Mar. 18 a Dec. 23 a	6.4 7.1			

* Well dry from May 4, 1948 to December 7, 1948.

** Correction to Bulletin 39K.

*** Correction to Bulletin 39K: R.P. elevation should be 622.6; Bulletin 39P, R.P. elevation 622.6 to and including October 3, 1947, then 623.4.

x Correction to Bulletin 39M: R.P. elevation beginning January 9, 1942.

xx Correction to Bulletin 39K: R.P. elevation should be 565.1.

xxx Correction to previous bulletins: Beginning June 9, 1942, R.P. elevation should be 659.0.

a Measurement from San Bernardino County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-918b-J-22 612.1	Jan. 6 Feb. 3 Mar. 11 Apr. 6 June 4 July 2 Oct. 5 Nov. 5 Dec. 7	15.3 19.6 18.7 15.6 21.1 27.0 22.5 21.1 23.8	D-929-J-23 646.6	Mar. 17 a Dec. 21 a	46.0 48.1
			D-929a-J-23 **	Jan. 6 Feb. 3 Apr. 6 June 4 Aug. 31 Nov. 5 Dec. 7	42.7 44.3 45.2 45.4 49.0 47.5 45.4
D-918d-J-22 599.8	Mar. 18 a Dec. 22 a	28.2 28.5	D-934-I-23 716.0	Mar. 17 a Dec. 21 a	64.8 66.8
D-921a-J-22 663.4	Mar. 17 a Dec. 21 a	32.9 33.8	D-935-I-23 785.3	Mar. 18 a	113.3
D-922-I-22 726.6	Mar. 18 a	82.9	D-936a-I-23 846.0	Mar. 18 a	138.1
D-922c-I-22 712.4	Mar. 17 a Dec. 21 a	66.4 68.5	D-940b-J-23 701.3	Mar. 16 a Dec. 20 a	66.0 67.6
D-928-I-23 *702.6	Jan. 6 Mar. 11 Apr. 6 Apr. 27 June 4 July 2 Oct. 5 Nov. 5 Dec. 7	58.8 58.7 60.0 60.2 65.5 64.2 64.0 64.3 59.8	D-957-I-24 734.9	Mar. 16 a Dec. 20 a	15.5 14.8
D-928a-J-23 681.3	Mar. 17 a Dec. 21 a	44.2 44.0	D-975c-I-25 817.6	Jan. 24 b Mar. 12 a Mar. 20 b May 22 b July 22 b Aug. 25 b Nov. 27 b Dec. 20 a	47.0 46.3 46.6 46.2 46.9 46.7 46.9 45.7

* Correction to previous bulletins: Beginning January 9, 1942, R.P. elevation should be 702.6.

** Correction to previous bulletins: Beginning January 9, 1942, R.P. elevation should be 650.8 to and including July 11, 1944; then 651.2 to and including January 6, 1948; then 652.6.

a Measurement from San Bernardino County Flood Control District.

b Measurement from Riverside Cement Company.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1947	
D-975d-I-25 770.7	Jan. 24	13.7	D-985c-I-26 895.9	Dec. 26	71.2
	Mar. 22	13.4		1948	
	July 22	13.7		Jan. 24	72.3
	Sep. 23	13.5		Feb. 23	70.2
	Nov. 27	13.6		Mar. 20	70.2
	1947			Oct. 24	73.4
D-976a-J-25 760.8	Dec. 26	5.3		Dec. 28	71.8
	1948			1947	
	Jan. 24	4.6	D-985d-I-26 825.8	Oct. 17 b	10.0
	Feb. 23	4.2		Nov. 4 b	9.6
	Mar. 20	6.3		Dec. 27 b	5.3
	June 18	5.8		1948	
	July 22	7.3		Jan. 11 b	5.3
	Aug. 21	5.4		Feb. 5 b	4.5
	Oct. 24	5.9		Mar. 5 b	5.2
	Nov. 27	4.8		Apr. 2 b	4.1
	Dec. 28	4.5		Apr. 9 b	4.0
	1947			May 21 b	7.6
D-983c-I-26 851.0	Dec. 26	57.2		Nov. 5 b	8.4
	1948			Dec. 11 b	8.2
	Jan. 24	57.0		Dec. 24 b	7.0
	Mar. 20	56.7		1947	
	Apr. 24	56.7	D-986-I-26 876.4	Dec. 26	57.8
	May 22	56.8		1948	
	June 18	56.4		Jan. 24	57.8
	July 22	56.4		Feb. 23	58.0
	Aug. 21	56.5		Mar. 20	57.0
	Sep. 25	56.3		Apr. 24	57.4
	Oct. 24	56.5		May 22	58.1
	Nov. 27	56.7		June 18	58.6
	Dec. 28	56.8		July 22	59.3
D-984-I-26 930.9	Mar. 17 a	88.2		Aug. 21	59.8
	Mar. 20	88.4		Oct. 24	59.8
D-984d-I-26 946.4	Mar. 17 a	100.7		Nov. 27	59.0
				Dec. 28	58.0

a Measurement from San Bernardino County Flood Control District.

b Measurement from Riverside Water Company.

Measurements from Riverside Cement Company except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1943	
D-1001b-G-21 1420.3	Jan. 1	96.0	D-1001i-G-21	Oct. 3	85.5
	Feb. 2	92.0	Cont.	Nov. 4	83.0
	Mar. 2	90.0		Dec. 4	82.5
	Apr. 3	83.0			
	June 3	97.0		1944	
	July 1	132.0		Jan. 4	46.5
	Aug. 2	142.0		Feb. 1	36.5
	Sep. 1	154.0		Mar. 2	33.5
	Nov. 1	165.0		Apr. 4	33.5
	Dec. 2	158.0		May 2	33.5
D-1001g-G-21 1360.6	Jan. 1 a	Flowing		June 1	48.5
	Feb. 2 a	"		July 1	61.0
	Mar. 2 a	60.0		Aug. 3	100.0
	Apr. 3 a	Flowing		Sep. 1	99.0
	May 1 a	"		Oct. 2	100.0
	June 3 a	63.0		Nov. 2	100.0
	July 1 a	62.0			
	Nov. 1	165.0		1945	
	1942			Jan. 3	40.0
D-1001i-G-21 1396.1	Jan. 1	43.5		Feb. 3	40.0
	Feb. 3	24.0		Mar. 1	40.0
	Mar. 2	34.0		Apr. 2	40.0
	Apr. 1	34.0		May 1	40.0
	May 1	34.0		June 4	40.0
	June 1	63.0		July 3	Flowing
	July 2	90.0		Aug. 3	"
	Aug. 1	95.0		Sep. 4	0.0
	Sep. 1	96.5		Oct. 2	100.0
	Nov. 1	80.0		Nov. 4	Flowing
				Dec. 5	"
	1943			1946	
	Jan. 4	68.5		Jan. 4	63.5
	Feb. 1	55.5		Feb. 4	36.5
	Mar. 1	46.0		Mar. 4	37.5
	Apr. 5	35.5		Apr. 1	36.5
	May 5	34.0		May 4	35.0
	June 2	42.5		June 3	85.0
	July 2	46.5		July 1	95.0
	Aug. 2	71.0		Aug. 1	95.0
	Sep. 3	77.5		Sep. 1	95.0

a Tunnel flowing.

Measurements by electric tape from Cucamonga Water Company.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1946			1948	
D-1001i-G-21 Cont.	Oct. 2 Nov. 1 Dec. 2	95.0 95.0 60.0	D-1029-H-23 974.6	Mar. 23 a	225.6
	1947			1947	
	Jan. 2 Feb. 3 Mar. 3 Apr. 2 May 1 June 3 July 3 Nov. 1	39.0 33.0 34.0 36.0 94.0 95.5 96.0 95.0	D-1030-H-23 862.6	Mar. 11 a Dec. 4 a	168.6 170.7
	1948			1948	
	Jan. 1 Mar. 2 Apr. 3 May 1 June 3 July 1 Aug. 2 Sep. 1 Nov. 1 Dec. 2	74.0 72.0 64.0 64.0 95.0 100.0 102.0 114.0 140.0 140.0	D-1031-H-23 902.0	Mar. 18 a	170.7
			D-1033-H-23 1046.8	Mar. 24 a	278.9
D-1002b-G-21 1164.3	Mar. 25 a	404.9	D-1037-G-23 1194.6	Mar. 24 a	408.3
D-1007b-H-22 870.8	Mar. 19 a	149.5	D-1043-H-24 882.9	Mar. 17 a	126.4
D-1012b-G-22 1322.0	Mar. 25 a	66.8	D-1043b-H-24 937.0	Mar. 17 a	167.0
D-1014-G-22 1203.6	Mar. 25 a	414.0	D-1044-H-24 959.0	Feb. 26 b Mar. 17 a June 1 b Sep. 7 b Nov. 30 b	185.1 185.0 185.5 187.3 187.4
D-1022-G-22 1078.3	Mar. 24 a	325.9	D-1050-G-24 1165.7	Feb. 26 bc June 1 bc Sep. 7 bc Nov. 30 bc	369.3 369.3 371.6 371.4
D-1025-G-23 1331.3	Mar. 24 a	447.3	D-1050a-G-24 1246.1	Feb. 26 bc June 1 bc	443.6 442.7
			D-1052-H-24 1079.8	Feb. 26 bc May 25 bc June 1 bc Nov. 30 bc	290.3 290.3 290.3 203.7

a Measurement from San Bernardino County Flood Control District.

b Measurement from owner.

c Air gage.

Measurements by electric tape from Cufamonga Water Company except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-1053-H-24 1024.9	Feb. 26 a June 1 a Sep. 7 a Nov. 30 a	234.1 233.9 236.2 236.4	D-1066-H-25 1024.5	Mar. 23 b	223.0
D-1054c-H-24 964.4	Mar. 17 b	169.1	D-1068-H-25 1082.4	Jan. 8 Feb. Mar. Mar. 23 b Apr. May	240.0 242.0 242.0 245.3 248.7 245.4
D-1055-H-24 979.9	Feb. 26 c Mar. 17 b June 1 c Sep. 7 c Nov. 30 c	184.1 183.8 183.7 185.4 186.2		July Aug. Sep. Oct. Nov. Dec.	256.8 258.8 250.1 256.1 247.2 247.2
D-1059-G-24 1210.5	Feb. 26 a Nov. 30 a	406.0 409.5	D-1072-G-25 1409.9	Jan. 13 a Feb. 16 a Mar. 15 a Apr. 13 a May 13 a Oct. 14 a Dec. 13 a	232.9 229.9 228.1 226.0 226.0 286.3 259.7
D-1061-G-25 1307.2	May 20 c	562.0	D-1072a-G-25 1409.6	Jan. 13 a Feb. 16 a Mar. 15 a Apr. 13 a May 13 a June 14 a Nov. 15 a Dec. 13 a	233.6 230.4 228.1 226.2 226.4 255.6 269.9 259.7
D-1062-G-25 1248.8	Feb. 26 a June 1 a Nov. 30 a	429.1 428.2 431.6	D-1075-G-25 1180.8	June 1 c June 8 a Nov. 30 a	320.5 320.5 323.9
D-1062a-G-25 1236.4	Nov. 30 a	425.4	D-1075a-G-25 1228.7	Feb. 26 c June 1 c Sep. 7 c Nov. 30 c	374.7 374.2 375.3 376.1
D-1064-H-25 1107.5	Feb. 26 a June 1 a Nov. 30 a	297.3 297.3 299.9	D-1077-H-25 1030.2	Mar. 17 b	102.5
D-1064a-H-25 1156.9	Feb. 26 a June 1 a Nov. 30 a	344.3 344.3 346.6			
D-1064b-H-25 1142.5	Feb. 26 a June 1 a Nov. 30 a	335.2 335.2 338.2			
D-1064-H-25 1050.0	Feb. 26 c Mar. 23 b June 1 c Sep. 7 c Nov. 30 c	243.5 243.2 243.0 244.7 245.0			

a Air gage.

b Measurement from San Bernardino County Flood Control District.

c Measurement from Fontana Union Water Company.

Measurements from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1947			1948	
D-1081-H-26 1105.7	Dec. 26 a	244.8	D-1091-H-26 869.6	Dec. 20 d	16.8
	1948		D-1092c-H-26 870.1	Mar. 12 d Dec. 20 d	5.0 8.6
	Jan. 24 a	244.5	D-1092d-H-26 999.7	Mar. 17 d	118.0
	Feb. 23 a	244.1	D-1095-G-26 1177.2	Jan. 8 Feb. Mar. Apr. Nov. Dec.	184.2 183.9 183.7 183.2 187.2 186.6
	Mar. 20 a	244.3			
	Apr. 24 a	244.0	D-1105-F-21 1684.4	June 23	316.7
	May 22 a	243.8	D-1105e-F-21 1635.	Mar. 25 d	271.7
	June 18 a	244.3	D-1106-F-21 1469.4	Jan. 7 Feb. 3 Mar. 3 Apr. 14 May 9 June 12 July 7	131.5 136.8 125.7 116.8 117.7 129.3 146.5
	Aug. 21 a	245.1	D-1107L-F-22 1521.1	Mar. 25 d	159.6
	Sep. 25 a	245.5	D-1108-F-22 1694.	Mar. 25 d	298.7
	Oct. 24 a	245.9	D-1116-F-22 1700.	Mar. 25 d	255.8
	Nov. 27 a	245.7	D-1116a-F-22 1900.	Mar. 25 d	245.1
	Dec. 28 a	245.4			
D-1084-G-26 1352.1	Feb. 26 b June 1 b Sep. 7 b Nov. 30 b	286.7 286.8 288.1 289.0			
D-1085a-G-26 1346.6	Feb. 26 c Mar. 24 cd June 1 c Sep. 7 c Nov. 30 c	289.1 289.6 289.6 291.1 292.1			
D-1088-H-26 1037.6	Jan. 8 Feb. Mar. Apr. July Aug. Oct. Dec.	172.7 172.6 172.5 171.1 173.8 173.4 174.1 171.1			
D-1090-H-26 967.6	Mar. 17 d	106.7			

a Measurement from Riverside Cement Company.

b Measurement from Fontana Union Water Company.

c Air Gage.

d Measurement from San Bernardino County Flood Control District.

Measurements from owner except as noted.

Well Number and R.P. Elev	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
D-1161-E-25 2244.1	Feb. 16 a Mar. 15 a Apr. 13 a	76.3 81.6 70.5	D-1182b-E-26 Cont.	Mar. 15 Apr. 13 May 13 June 14 July 13 Aug. 13 Sep. 14 Oct. 14 Nov. 15 Dec. 13	249.5 249.7 251.5 255.3 260.1 266.0 272.1 279.1 285.4 290.4
D-1162a-E-25 2068.9	Jan. 13 a Feb. 16 a Mar. 9 a Mar. 15 a Apr. 13 a Aug. 13 a Sep. 14 a Oct. 14 a Nov. 15 a Dec. 13 a	110.5 112.3 111.6 111.3 109.1 119.4 122.0 123.1 124.0 124.6	D-1182c-E-26 1550.5	Feb. 16 d Mar. 15 d Apr. 13 d Dec. 13 d	206.1 206.4 205.9 251.4
D-1164-E-25 1806.6	Feb. 26 a June 1 a Sep. 7 a Nov. 30 a	159.6 158.8 159.7 161.1	D-1184-E-26 1879.0	Mar. 30 e June 21 e Aug. 20 e Nov. 8 e	134.5 143.1 157.3 149.7
D-1165-F-25 1625.6	July 6 a	340.5	D-1188a-F-26 1455.9	May 17 June 9 June 14 d Dec. 13 d	125.6 129.5 130.4 171.5
D-1166-F-25 1525.4	Mar. 24 b	273.3	D-1188h-F-26 1496.4	Nov. 16 e	85.8
D-1170b-E-25 1852.9	Jan. 13 Mar. 22	56.6 57.6	D-1189-F-26 1363.	Jan. 5 Jan. 12 e Feb. 16 e Mar. 8 e Apr. 5 e May 3 e May 24 e June 14 e July 28 e Aug. 16 e Sep. 6 e Oct. 4 e Nov. 1 e	105. 103. 101.5 97.5 91.5 94.5 125.6 135. 148. 166. 171. 165. 165.
D-1177a-F-25 1514.2	Feb. 26 a June 1 a Sep. 7 a Nov. 30 a	401.8 396.4 397.5 397.4			
D-1181c-F-26 1572.2	Jan. 13 c May 13 c Aug. 14 c Dec. 13 c				
D-1182b-E-26 1598.9	Jan. 13 Feb. 16	244.2 248.2			

a Measurement from Fontana Union Water Company.

b Measurement from San Bernardino County Flood Control District.

c Dry at 119.2 feet.

d Air gage.

e Measurement from San Bernardino Valley Water Conservation District.

Measurements from owner except as noted.

Well Number and R.P. Elev. Date Dist.R.P. to water surface, Feet

Well Number and R.P. Elev. Date Dist.R.P. to water surface, Feet

1948

1948

D-1189-F-26	Nov. 15	156.2
Cont.	Dec. 6	168.
D-1192c-F-26	Feb.	87.1
1367.5	Mar.	125.6
	Apr.	120.2
	May	142.3
	July	161.2
	Aug.	178.1
	Sep.	201.1

D-1192c-F-26	Oct.	211.1
Cont.	Nov.	212.6
	Dec.	213.4
D-1253-D-24	Jan. 13	15.7
2760.	Feb. 16	16.1
	Mar. 16	16.4
	Apr. 14	16.2
	July 13	37.4

a Measurement from San Bernardino Valley Water Conservation District. Measurements from owner except as noted.

D-1189-F-26	Nov. 15	156.2	D-1192c-F-26	Oct.	211.1
Cont.	Dec. 6	168.	Cont.	Nov.	212.6
D-1192c-F-26	Feb.	87.1		Dec.	213.4
1367.5	Mar.	125.6	D-1253-D-24	Jan. 13	15.7
	Apr.	120.2	2760.	Feb. 16	16.1
	May	142.3		Mar. 16	16.4
	July	161.2		Apr. 14	16.2
	Aug.	178.1		July 13	37.4
	Sep.	201.1			

Measurement from San Bernardino Valley Water Conservation District. Measurements from owner except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "E"

Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
...

STATISTICAL YEAR BOOK

Records of the Department of the Interior

in 1930

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-2-E-27 1621.9	Jan. 12	164.8	E-7-G-27 1162.0	Feb. a	49.1
	Feb. 16	164.8		Mar. a	48.9
	Mar. 22	166.0		Apr. a	46.1
	Apr. 19	166.7		Nov. a	63.1
	Apr. 29	166.8			
	June 21	167.8		1947	
	Aug. 6	169.0			
	Oct. 19	176.9	E-8a-G-27 1200.1	Dec. 30	168.5
	Nov. 8	174.1		1948	
	Dec. 16	176.7			
E-2a-E-27 1531.2	Mar. 22	189.6		Apr. 8	167.2
	Apr. 29	191.6		June 25	170.7
	Sep. 13	195.7		Aug. 24	184.5
	Oct. 19	195.8		Nov. 10	183.6
	Nov. 8	197.2			
	Dec. 16	196.8	E-10-E-27 1412.0	Jan. 12	133.8
E-4a-F-27 1303.4	Apr. 7	155.8		Feb. 16	135.3
	June 24	158.7		Mar. 22	135.6
	Aug. 23	162.1		Apr. 19	137.4
	Nov. 8	166.0		May 29	138.1
E-5d-F-27 *1279.8	Apr. 7	146.8		June 21	141.5
	June 24	167.3		July 19	145.0
	Aug. 9	178.4		Aug. 23	147.4
	Aug. 23	181.0		Sep. 20 b	148.9
	Nov. 8	192.1		Oct. 19	148.9
				Nov. 8	146.9
				Dec. 16	151.8
E-5e-F-27 1258.4	Apr. 7	119.5	E-15-G-27 1116.2	Apr. 9	18.9
	Nov. 8	129.7		June 25	34.0
				Aug. 24	39.8
E-6-F-27 1248.0	Jan. 19	124.8		Nov. 10	33.4
	Mar. 15	121.8		1947	
	Apr. 26	121.1			
	July 26	157.0	E-22-G-27 1082.9	Dec. 31	12.1
	Aug. 9	158.6		1948	
	Aug. 23	160.7			
	Sep. 20	166.2		Apr. 8	12.3
	Oct. 20	166.5		June 25	18.0
	Nov. 10	166.5		Aug. 24	22.0
	Dec. 16	175.0		Nov. 10	18.3

* Correction: R.P. elevation should be 1279.8, beginning June 11, 1947.

a Measurement from owner.

b Pumping nearby.

Measurements from San Bernardino Water Department except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev	Date	Dist.R.P. to water surface, Feet
	1948			1947	
E-23-G-27 1069.9	Apr. 8	15.4	E-31a-F-28 1133.8	Dec. 27	38.7
	June 24	a 24.3		1948	
	Aug. 25	a 28.3		Apr. 7	38.8
	Sep. 23	a 28.7		June 24	43.5
	1947			Aug. 23	b
E-26-F-27 1169.9	Dec. 30	53.2		Nov. 8	b
	1948		E-34-E-28 1406.6	Apr. 2	12.5
	Apr. 2	54.5		June 24	11.1
	June 24	54.7		Aug. 20	13.8
	Aug. 23	59.4		Nov. 8	13.2
	Nov. 8	62.0	E-34b-F-28 1319.2	Apr. 6	160.6
	1947			June 24	161.6
E-27-F-28 1110.1	Dec. 30	22.3		Aug. 20	163.0
	1948			Nov. 8	165.5
	Apr. 2	22.7	E-35c-F-28 1227.0	Jan. 7	119.3
	June 25	24.7		Apr. 2	111.2
	Aug. 23	25.6		June 24	114.1
	Nov. 8	27.2		Aug. 20	119.6
E-29-G-28 1031.3	Jan. 12	+56.0		Nov. 8	122.5
	June 2	+57.8	E-36-F-28 1161.8	Jan. 12	63.1
	Aug. 25	+38.1		Feb. 16	63.2
	Oct. 10	+42.2		Mar. 22	64.4
	Dec. 17	+44.5		Apr. 19	63.2
E-29b-G-27 1047.5	Jan. 9	+11.6		June 25	69.4
	1947			Sep. 23	75.4
	Dec. 30	19.5		Oct. 19	79.3
	1948			Nov. 18	74.4
	Apr. 8	19.0		Dec. 16	76.4
	June 25	20.5	E-37-F-28 1130.3	1948	
	Aug. 23	23.1		Jan. 2	c 33.2
	Nov. 8	23.4		Jan. 23	c 40.7
				Feb. 13	c 31.6
				Mar. 12	c 40.7
				Mar. 26	c 34.9
				Apr. 9	32.1
				May 7	c 43.4
				May 28	c 45.6

a Pumping nearby.

b Dry at 44 feet.

c Measurement from Riverside Water Company.

Measurements from San Bernardino Water Department except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-37-F-28 Cont.	June 25	47.4	E-45-F-28 Cont.	Apr. 6	49.6
	July 2	a 48.6		June 24	54.4
	Aug. 6	a 51.4		Aug. 20	57.3
	Aug. 23	51.4		Nov. 8	60.1
	Sep. 17	a 53.0		1947	
	Oct. 1	a 52.4			
	Nov. 5	a 48.2	E-45e-F-29	Dec. 27	89.5
	Nov. 26	a 51.1	1212.5	1948	
	1947				
E-42-G-28 1059.3	Nov. 3	+ 9.8		Apr. 9	94.2
	Dec. 8	+19.6		Nov. 8	103.5
	1948			1947	
	Jan. 5	+28.9	E-46-G-28	Dec. 27	6.4
	Feb. 12	+32.3	1085.5	1948	
	Mar. 26	+30.0		Apr. 7	5.7
	Apr. 28	+12.7		June 25	7.9
	May 23	b + 8.1		Aug. 23	9.7
	June 1	+ 9.2		Nov. 8	11.2
	Sep. 24	c + 4.6		1947	
	Oct. 3	c + 4.6	E-49-F-29	Dec. 27	144.0
	Dec. 6	+ 5.8	1269.8	1948	
E-43-G-28 1053.8	Apr. 2	+46.8		Apr. 9	142.8
	June 22	++27.1		Nov. 8	157.0
	Nov. 18	+25.4		1947	
	1947				
E-44-F-28 1203.6	Dec. 27	d 83.0	E-49d-F-29	Dec. 27	153.9
	1948		1282.5	1948	
	Apr. 9	e 83.3			
	1947				
E-45-F-28 1145.3	Dec. 27	49.8		Apr. 9	149.3
				June 23	148.8
				Nov. 5	167.8

a Measurement from Riverside Water Company.

b Wells nearby flowing.

c Well nearby flowing.

d Shut windmill down to measure.

e Windmill pumping intermittently.

Measurements from San Bernardino Water Department except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P.Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-50a-F-29 1150.1	Apr. 6 June 22 Aug. 19 Nov. 5	27.0 39.9 45.9 41.4	E-61d-G-30 1397.4	Mar. 18 Apr. 15 Nov. 27	b 131.1 b 130.0 ab 147.7
	1947		E-62a-G-30 1541.6	Jan. 9 Apr. 6 June 23 Nov. 5	236.8 243.9 254.1 262.3
E-54-F-29 1412.9	Dec. 27	265.5			
	1948			1947	
	Apr. 9	258.1	E-67h-I-26 862.6	Dec. 26	c 9.4
E-55b-G-29 1284.7	Apr. 9 Nov. 8	137.4 a 154.4		1948	
	1947			Jan. 24 Feb. 23 Mar. 20 Apr. 24 May 22 June 18 July 22 Aug. 21 Sep. 25 Oct. 24 Nov. 27 Dec. 28	c 9.4 c 6.0 c 6.5 c 6.8 c 7.8 c 8.6 c 9.6 c 10.4 c 11.2 c 11.2 c 10.8 c 10.0
E-561-G-29 1207.6	Dec. 27	70.7			
	1948				
	Apr. 6 June 22 Aug. 19 Nov. 5	70.4 81.9 79.3 82.3	E-68g-I-26 827.	Jan. 2 Feb. 2 June 3 July 1 Oct. 4 Nov. 1	d 11.0 d 10.9 d 11.1 d 11.9 d 13.4 d 12.8
E-57-G-29 1222.2	Jan. 9 Apr. 6 June 23 Aug. 20 Nov. 5	73.7 74.0 77.0 80.0 85.3			
E-59-G-29 1239.1	Jan. 9 Apr. 6 June 23 Aug. 20 Nov. 5	83.4 83.4 85.5 89.3 94.5	E-74-I-27 882.6	Jan. 2 Feb. 2 Mar. 3 Apr. 1 May 3 June 3	d 49.2 d 48.9 d 48.6 d 48.1 d 47.6 d 47.7
E-59a-G-30 1266.5	Jan. 9 Apr. 6	86.9 101.1			

a Pumping nearby.

b Measurement from San Bernardino Valley Water Conservation District.

c Measurement from Riverside Cement Co.

d Measurement from Riverside Water Basin Records.

Measurements from San Bernardino Water Department except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1947	
E-74-I-27 Cont.	July 1 a	47.8	E-85-G-27 1054.9	Dec. 31	15.1
	Aug. 2 a	48.8		1948	
	Sep. 1 a	50.5		Apr. 8	13.3
	Oct. 4 a	50.8		June 25	29.3
	Nov. 1 a	51.9		Aug. 24	34.1
	Dec. 3 a	50.5		Nov. 10	23.7
E-74i-I-27 *963.3	Jan. 2 a	106.7		1947	
	Feb. 2 a	106.9	E-90b-H-27 959.6	July 25 d	9.7
	Mar. 3 a	106.5		Aug. 22 d	10.7
	Apr. 1 a	106.1		Sep. 26 d	11.9
	May 3 a	105.3		Oct. 24 d	12.3
	June 3 a	105.3		Nov. 28 d	11.5
	July 1 a	105.5		1948	
	Aug. 2 a	106.2		Jan. 2 d	6.1
	Sep. 1 a	107.1		Mar. 20 b	5.0
	Oct. 4 a	108.5		May 22 b	7.8
	Nov. 1 a	108.3		Aug. 21 b	12.5
	Dec. 3 a	108.8		Oct. 24 b	14.0
	1947				
E-75-H-27 921.2	Dec. 26 b	30.9			
	1948				
	Jan. 24 b	27.4	E-93-G-28 1011.8	Apr. 6	+45.2
	Feb. 23 b	24.0		June 29	+34.1
	Mar. 20 b	22.2		Aug. 24	+19.6
	Apr. 24 b	20.7		Nov. 10	+31.2
	May 22 b	22.0		1947	
	June 18 b	24.0			
	July 22 b	28.9	E-95-H-27 1013.7	Sep. 12	88.7
	Aug. 21 b	33.2		1948	
	Sep. 25 b	37.3			
	Nov. 27 b	38.4		Jan. 7	95.0
	1947			Apr. 9	82.5
E-78-G-27 1094.5	Sep. 29 c	85.0		June 29	91.7
				Nov. 12	93.9

* Correction: Beginning November 5, 1939, R.P. elevation should be 963.4 to and including April 4, 1940; then, 963.3.

a Measurement from Riverside Water Basin Records.

b Measurement from Riverside Cement Company.

c Measurement from owner.

d Measurement from Riverside Water Company.

Measurements from San Bernardino Water Department except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-95a-H-27 969.7	Jan. 24 Mar. 20 May 21 July 22	a 44.7 a 39.7 a 41.4 a 48.1	E-107b-H-29 1206.9	Feb. 20 Mar. 13 Mar. 21 May 26 July 12 Aug. 4 Aug. 26 Sep. 2 Oct. 26 Dec. 3	71.1 75.8 72.2 81.9 85.3 91.0 93.5 92.0 85.2 92.0
	1947				
E-97-G-28 1061.6	Dec. 31	b 19.0			
	1948				
	Apr. 9 Aug. 24 Nov. 12	b 22.5 b 42.1 b 36.7	E-107d-H-29 1217.8	Mar. 21 May 26 July 12 Oct. 26 Dec. 4	b 66.5 b 67.2 b 68.3 69.7 69.9
E-102s-H-28 1069.7	Jan. 7 Apr. 9 June 29 Aug. 24 Nov. 12	b 4.6 b 1.5 b 17.5 b 23.3 b 13.4	E-109-G-29 1150.2	Jan. 3 Feb. 7 Mar. 6 Apr. 3 May 8 June 5 July 3 Aug. 7 Sep. 4 Oct. 2 Nov. 6 Dec. 4	d 28.7 d 29.2 d 28.7 d 28.4 d 28.8 d 30.7 d 32.3 d 34.9 d 36.8 d 38.3 d 39.6 d 39.9
E-103g-H-28 1132.0	Mar. 13 May 26 July 13 Dec. 3	53.8 60.6 66.7 60.9			
E-104-H-28 1310.5	Mar. 13 May 26 July 13 Dec. 3	203.4 209.5 213.4 227.2			
E-106c-H-29 1163.9	Mar. 13 May 27 July 12 Aug. 4 Sep. 2 Dec. 3	b 41.2 b 43.0 b 45.9 46.9 47.9 48.0	E-109b-G-29 1254.8	Mar. 15 Apr. 20	81.7 81.0
			E-110-H-29 1207.2	Mar. 18 Apr. 20 May 29 July 9 Aug. 4 Sep. 2 Dec. 18	46.1 46.8 48.1 48.9 49.5 50.0 51.7
E-106f-H-29 1140.9	Mar. 19 Apr. 21 May 27 July 12 Aug. 4	49.1 50.2 56.0 59.7 61.3	E-111-H-29 1249.2	Mar. 21 May 26	87.0 88.6

a Measurement from Riverside Cement Company.

b Measurement from San Bernardino Water Department.

c Pumping nearby.

d Measurement from Gage Canal Company.

Measurements from San Bernardino Valley Water Conservation District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-111-H-29 Cont.	July 12 Aug. 14 Oct. 26 Dec. 4	91.2 92.0 95.9 95.8	E-118a-G-30 Cont.	July 8 Aug. 4 Sep. 3 Nov. 27	116.1 118.5 120.9 127.0
E-111a-H-29 1203.4	Mar. 19 May 27 July 12 Aug. 4 Sep. 2 Dec. 4	39.4 40.7 42.0 42.5 43.0 44.6	E-119a-H-30 1397.7	Jan. 24 Mar. 19 Apr. 17 May 29 July 8 a Aug. 7 a Sep. 3 a Oct. 25 Dec. 4	171.7 166.9 166.6 171.4 178.2 180.6 183.8 183.4 184.0
E-111h-H-29 1245.5	Mar. 19 May 27 July 12 Aug. 4 Sep. 2	50.2 52.5 53.6 54.6 55.1		1947	
E-113-G-29 1293.1	Jan. 24 Mar. 18 Apr. 20 May 29 Sep. 2 Dec. 18	97.8 94.7 98.7 98.2 104.8 105.9	E-120-H-30 1523.5	Dec. 27	133.7
E-114-H-29 1322.3	Mar. 18 Apr. 20 May 29 July 9 Aug. 4 Sep. 2 Dec. 17	115.3 117.5 121.2 124.4 128.6 129.8 131.1		1948	
E-117-I-30 1438.6	Mar. 21 May 26	70.5 75.8		Mar. 21 May 31 July 6 Aug. 5 Sep. 2 Oct. 26 Dec. 23	132.2 132.4 134.5 137.3 140.2 145.2 128.8
E-118a-G-30 1346.7	Jan. 24 Mar. 19 Apr. 17 May 29	112.2 112.7 113.4 113.8	E-122-I-30 1513.3	Mar. 21 May 26 July 16	71.5 72.0 72.5
				1947	
			E-123c-H-30 1521.0	Dec. 27	222.9

a Pumping nearby.

Measurements from San Bernardino Valley Water Conservation District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	
	1948			1948		
E-123c-H-30 Cont.	Jan. 24	226.7	E-127d-H-31	Jan. 24	94.3	
	Mar. 19	222.9	1836.2	Mar. 20	87.1	
	Apr. 17	221.6		Apr. 15	85.7	
	July 8	233.5		July 6	81.0	
	Sep. 19	239.5		Oct. 8	84.5	
	Oct. 25	252.1	E-128-H-31	Mar. 20	110.4	
	Dec. 5	250.9	1710.5	Apr. 17	107.4	
	1947		E-131e-H-32	Mar. 20	32.0	
E-124-H-30 1608.5	Dec. 27	88.0	2198.9	Apr. 15	31.6	
	1948			May 31	33.0	
	Mar. 21	82.1	E-132-I-31	Apr. 14 a	131.0	
	May 31	87.0	2131.8	Oct. 6 a	133.0	
	July 6	93.6	E-133-I-31	Apr. 14 a	133.8	
	Oct. 8	111.4	*2099.0	Oct. 5 a	159.4	
	Dec. 17	110.1	E-136-I-32	Apr. 14 a	102.3	
E-127-H-31 1907.0	Jan. 24	92.7	2292.6	Oct. 5 a	125.0	
	Mar. 20	92.6	E-136c-I-32	Apr. 2 a	171.0	
	Apr. 15	91.7	2360.2	Oct. 5 a	199.1	
	May 31	90.7	E-136f-I-32	Apr. 2 a	219.1	
	July 8	90.3	2424.7	Oct. 6 a	238.9	
	Aug. 7	90.4	E-136i-I-32	Oct. 12 b	222.0	
	Oct. 8	89.9	2392.6	E-137-H-32	Apr. 14 a	228.8
	Oct. 25	90.3		Oct. 6 a	240.3	
	Dec. 5	94.1	E-138-I-32	Apr. 2 a	207.9	
E-127a-H-31 1724.8	Jan. 24	149.8	2419.8	E-138f-I-33	Apr. 14 a	372.5
	Feb. 16	149.4		Oct. 6 a	374.5	
	Mar. 20	150.6	E-139a-H-33	Apr. 14 a	279.7	
	Apr. 17	151.3	2816.9			
	May 31	155.5				
	Aug. 7	160.9				
	Oct. 26	162.3				
	Dec. 9	166.4				
E-127b-G-31 1765.7	Mar. 20	215.3				
	Apr. 15	218.8				
	July 19	222.5				
	Oct. 25	227.1				

* Corrected R. P. elevation.

a Measurement from P. E. Hicks.

b Measurement from R. F. Gill.

Measurements from San Bernardino Valley Water Conservation District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-140-H-33 3107.7	Apr. 3 a Oct. 6 a	67.6 64.1	E-149d-K-22 Cont.	July 20 b Aug. 24 b Sep. 24 b Oct. 22 b Nov. 23 b Dec. 28	51.0 52.4 51.7 52.1 51.3 49.3
E-140c-H-33 3338.3	Apr. 3 a	27.7			
E-141-I-33 2812.6	Apr. 2 a	62.4	E-149i-K-22 587.9	Jan. 5 c Feb. 3 c Mar. 2 c Apr. 2 c May 4 c June 4 c July 2 c Aug. 3 c Sep. 2 c Oct. 5 c Nov. 2 c Dec. 2 c	55.4 55.3 55.2 55.4 55.6 55.7 56.1 56.5 56.1 55.9 55.4 55.3
E-147b-K-21 493.8	Jan. 16 Feb. 19 Mar. 9 Mar. 18 Apr. 15 May 18 Aug. 17 Sep. 21 Oct. 20 Nov. 16 Dec. 24	2.2 2.1 2.1 2.0 2.3 2.6 2.9 2.9 2.7 2.7 2.4			
E-147c-L-21 501.8	Jan. 16 Feb. 19 Mar. 18 Apr. 15 May 18 June 16 July 16 Aug. 17 Sep. 21 Oct. 20 Nov. 16 Dec. 24	2.0 1.9 1.8 2.1 2.6 2.9 3.2 3.4 3.7 3.5 3.7 3.3	E-150-K-22 602.7	Jan. 5 c Feb. 3 c Mar. 2 c June 4 c Nov. 2 c Dec. 2 c	87.1 87.3 88.0 88.6 88.8 88.3
E-149d-K-22 570.9	Jan. 21 Feb. 25 Mar. 23 Apr. 20 b May 21 b June 22 b	48.2 48.2 47.6 47.7 49.0 50.1	E-150b-K-22 567.0	Jan. 21 Feb. 25 Mar. 23 Apr. 20 May 21 June 22 July 20 Aug. 24 Sep. 24 Oct. 22 Nov. 23 Dec. 28	50.3 52.6 49.6 51.3 50.5 52.2 53.3 54.0 53.7 55.8 52.1 50.3

a Measurement from P. E. Hicks.

b Pumping 1,000 feet north.

c Measurement from Riverside Water Basin Records.

Measurements from Orange County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet
	1948			1948	
E-151-K-22 525.9	Jan. 21 a	10.6	E-156-K-23	July 2	47.5
	Feb. 20 a	10.4	Cont.	Aug. 3	47.5
	Apr. 20 a	9.4		Sep. 2	46.3
	July 20 a	8.8		Oct. 5	47.3
	Sep. 24 a	13.8		Nov. 2	47.4
	Oct. 22 a	15.0		Dec. 2	47.6
	Nov. 23 a	15.3			
	Dec. 28 a	15.0	E-159-K-23	Jan. 21 a	41.1
E-151f-K-22 *	Jan. 21 a	26.7	627.3	Feb. 24 a	41.4
	Feb. 25 a	27.4		Mar. 23 a	41.5
	Mar. 23 a	27.2		Apr. 20 a	42.2
	Apr. 20 a	26.6		May 21 a	42.2
	May 21 a	27.4		June 22 a	42.4
	June 22 a	28.2		July 20 a	42.8
	July 20 a	28.6		Sep. 24 a	42.8
	Aug. 24 a	29.3		Oct. 22 a	43.0
	Sep. 24 a	29.5		Nov. 23 a	43.2
	Oct. 22 a	29.7		Dec. 28 a	43.5
	Nov. 23 a	28.3	E-165d-K-24	Jan. 5	8.8
	Dec. 28 a	27.8	700.1	Feb. 3	8.6
E-153-K-22 591.1	Jan. 5	25.6		Mar. 2	7.4
	Feb. 3	25.4		Apr. 2	7.3
	Apr. 2	25.8		May 4	7.3
	May 4	26.0		June 4	9.9
	June 4	23.6		Aug. 3	12.3
	July 2	27.7		Oct. 5	15.0
	Aug. 3	26.2		Nov. 2	13.1
	Sep. 2	26.9		Dec. 2	13.0
	Oct. 5	26.3	E-172-J-25	Feb. 3	12.4
	Nov. 2	26.5	736.5	Mar. 2	6.9
	Dec. 2	26.5		Apr. 2	6.0
E-156-K-23 640.0	Jan. 5	46.7		May 4	6.6
	Feb. 3	46.8		June 4	7.2
	Mar. 2	46.9		July 2	7.0
	Apr. 2	47.2		Aug. 3	7.0
	May 4	47.3		Oct. 5	6.4
	June 4	47.4		Nov. 2	6.4
				Dec. 2	7.1

* Correction to Bulletin 39K: R.P. elevation should be 554.0 to and including December 15, 1941, then 553.8 to and including October 22, 1948, then 553.6, from levels by Orange County Flood Control District. a Measurement from Orange County Flood Control District. Measurements from Riverside Water Basin Records except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-175-K-24 757.2	Apr. 2	35.4	E-179c-K-25	July 2	18.3
	June 4	33.9	Cont.	Aug. 3	18.5
	July 2	39.5		Sep. 2	18.7
	Aug. 3	40.5		Oct. 5	19.0
	Sep. 2	41.6		Nov. 2	19.0
	Oct. 5	39.5		Dec. 2	19.2
	Nov. 2	35.5	E-184c-J-25	Jan. 5	59.9
	Dec. 2	39.0	801.5	Feb. 3	59.9
E-176-K-24 764.2	Jan. 5	47.4		Mar. 2	59.8
	Feb. 3	47.2		Apr. 2	59.8
	Mar. 2	47.0		May 4	59.9
	Apr. 2	47.5		June 4	60.1
	May 4	48.1		July 2	60.3
	June 4	48.1		Aug. 3	60.6
	July 2	49.1		Sep. 2	60.6
	Aug. 3	50.2		Oct. 5	61.2
	Sep. 2	51.2		Nov. 2	61.1
	Oct. 5	51.0		Dec. 2	60.9
	Nov. 2	50.4	E-185-J-25	Feb. 3	38.9
	Dec. 2	49.4	799.6	Mar. 2	38.6
E-178-J-25 779.4	Jan. 5	36.9		May 4	38.7
	Feb. 3	36.8		June 4	38.6
	Mar. 2	36.8		July 2	39.3
	Apr. 2	36.8		Aug. 3	39.8
	May 4	37.1		Sep. 2	40.3
	June 4	37.0		Oct. 5	41.6
	July 2	37.5		Nov. 2	41.0
	Aug. 3	37.4		Dec. 2	41.0
	Sep. 2	38.0	E-192-J-26	Jan. 2	64.6
	Oct. 5	38.0	846.3	Feb. 2	64.2
	Nov. 2	37.6		Mar. 2	63.6
	Dec. 2	36.4		Apr. 1	63.8
E-179c-K-25 769.3	Jan. 5	18.3		May 3	64.5
	Feb. 3	18.1		June 3	65.1
	Mar. 2	17.9		July 2	69.1
	Apr. 2	17.8		Aug. 2	71.5
	May 4	17.9		Sep. 1	73.7
	June 4	17.9		Oct. 4	74.0

Measurements from Riverside Water Basin Records.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-192-J-26	Nov. 1	70.6	E-201d-I-27	Jan. 2	76.4
Cont.	Dec. 3	68.8	907.7	Feb. 2	76.2
E-192a-J-26	Jan. 5	4.8		Mar. 3	75.9
769.4	Feb. 3	4.8		Apr. 1	75.8
	Mar. 2	4.7		May 3	75.5
	Apr. 2	4.7		June 3	75.5
	May 4	4.4		July 1	75.9
	June 4	5.0		Aug. 2	76.4
	July 2	5.6		Sep. 1	77.7
	Aug. 3	6.4		Oct. 4	78.1
	Sep. 2	7.1		Nov. 1	78.4
	Oct. 5	7.7		Dec. 3	77.9
	Nov. 2	7.6	E-201g-J-26	Jan. 2	100.8
	Dec. 2	7.0	898.6	Feb. 2	99.9
E-194-K-26	Jan. 5	107.1		Mar. 3	99.3
873.0	Feb. 3	104.5		Apr. 1	99.2
	Mar. 2	104.4		May 3	99.1
	Apr. 2	104.2		June 3	99.3
	May 4	104.4		July 1	102.0
	June 4	104.5		Aug. 2	104.2
	July 2	105.0		Sep. 1	106.2
	Aug. 3	105.3		Oct. 4	107.4
	Sep. 2	105.6		Nov. 1	106.5
	Oct. 5	106.0		Dec. 3	104.9
	Nov. 2	106.0	E-202-J-26	Jan. 2	147.7
	Dec. 2	106.0	941.1	Feb. 2	146.8
E-196e-J-26	Jan. 2	79.1		Mar. 3	146.2
869.4	Feb. 2	78.4		Apr. 1	146.3
	Mar. 3	78.2		May 3	145.8
	Apr. 1	78.3		June 3	146.9
	May 3	78.1		July 2	149.5
	June 3	78.7		Aug. 2	151.1
	July 1	83.1		Sep. 1	153.8
	Aug. 2	85.8		Oct. 4	154.1
	Sep. 1	90.1		Nov. 1	152.8
	Oct. 4	86.8		Dec. 3	152.8
	Nov. 1	85.1			
	Dec. 3	83.7			

Measurements from Riverside Water Basin Records.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-207a-J-27 998.0	Jan. 2 a	167.2	E-239-J-33 2658.9	Apr. 15	4.2
	Feb. 2 a	167.3		July 6	5.2
	Mar. 3 a	166.6		Oct. 5	6.1
	Apr. 1 a	166.5	E-240-J-33 2590.5	Apr. 8	328.3
	May 3 a	167.8		July 6	330.0
	June 3 a	169.3		Oct. 5	330.6
	July 2 a	170.2	E-241-J-33 2491.2	Apr. 15	225.1
	Aug. 2 a	171.0		July 6	229.6
	Sep. 1 a	171.4		Oct. 5	229.9
	Oct. 4 a	172.0			
	Nov. 1 a	169.0		1938	
	Dec. 3 a	172.0	E-265-L-21 *	Feb. 8 b	17.6
E-229-I-32 2287.1	Apr. 14	97.9		1940	
	Oct. 5	99.2		May 22 c	12.6
E-232-J-32 2387.1	Apr. 15	175.4		June 24 c	12.7
	July 5	177.9		July 24 c	12.8
	Oct. 5	203.8		1941	
E-232b-J-32 2288.0	Apr. 15	78.4		Jan. 18 c	11.5
	July 6	79.3		1944	
	Oct. 5	89.7		Jan. 4 c	6.8
E-232e-I-32 2483.9	Apr. 14	238.4		Apr. 10 c	7.0
E-233d-J-32 2333.8	Apr. 15	89.8		June 12 c	7.0
	July 6	93.0		July 3 c	7.2
E-233f-32 2299.1	Apr. 15	52.2		Nov. 13 c	6.6
	July 6	52.7		1945	
	Oct. 5	55.2		Jan. 2 c	6.7
E-234-J-32 2199.5	Apr. 14	30.5		Apr. 2 c	6.8
	July 6	36.7		June 18 c	7.2
	Oct. 5	39.2		Aug. 20 c	7.1
E-236-J-33 2349.0	Apr. 15	97.2		Oct. 22 c	7.1
	July 6	98.3		Dec. 24 c	5.2
	Oct. 5	100.2			

* R.P. elevation 494.9 to and including February 8, 1938; then 491.8.

a Measurement from Riverside Water Basin Records.

b Measurement from Riverside County Water Users Association.

c Measurement from Orange County Flood Control District.

Measurements by P. E. Hicks except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1946			1940	
E-265-L-21 Cont.	Jan. 7	6.8	E-267-L-21 Cont.	Jan. 23	6.0
	Mar. 25	6.9		Feb. 14	5.2
	May 27	7.2		Mar. 5	6.0
	Aug. 19	8.3		Apr. 2	5.9
	Oct. 14	8.0		May 6	6.1
	Dec. 31	7.1		July 8	6.2
				Sep. 17	6.2
	1947			Oct. 20	6.1
	Jan. 14	7.3		Nov. 1	6.1
	Mar. 31	7.4		Nov. 27	6.2
	May 5	7.8			
	July 28	8.5		1941	
	Sep. 22	8.2		Jan. 7	7.3
	Dec. 1	8.0		Feb. 19	7.0
				Mar. 28	6.8
	1948			Apr. 8	6.7
	Jan. 19	8.0		May 14	7.0
	Mar. 15	7.8		June 13	7.0
	May 24	8.4		July 8	7.2
	Aug. 9	9.0		Aug. 18	7.4
	Oct. 25	8.8		Sep. 12	7.1
	Dec. 27	8.1		Oct. 14	7.1
				Nov. 13	6.9
	1939			Dec. 16	6.8
*E-267-L-21 **	Apr. 24	3.8		1942	
	May 22	4.0		Apr. 23	6.8
	June 2	4.1		May 26	7.1
	June 28	4.3		June 16	7.0
	July 10	4.2		July 17	7.1
	Aug. 1	4.6		Aug. 17	7.2
	Aug. 29	4.7		Sep. 10	7.1
	Oct. 4	4.4		Oct. 19	7.0
	Oct. 30	4.2		Nov. 17	6.9
	Nov. 27	4.1		Dec. 9	6.8
	Dec. 20	4.1			

*. Records published in error beginning in Bulletin 39H to 39N inclusive. The records are for Well E-267t, 40 feet north of E-267.

** Correction to previous bulletins: R.P. elevation 485.0 to and including February 2, 1933; then 490.7 to and including February 14, 1936; then 491.0 to and including November 27, 1940; then 494.0, from levels by Orange County Flood Control District.

Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1943			1947		
E-267-L-21 Cont.	Jan. 15	6.8	E-267-L-21 Cont.	Jan. 18	5.9
	Feb. 10	6.0		Feb. 13	5.8
	Apr. 22	5.7		Mar. 22	5.8
	May 18	6.0		Apr. 15	6.5
	June 15	5.8		May 13	5.4
	July 29	5.9		June 17	6.3
	Sep. 22	5.9		July 22	6.4
	Oct. 30	5.7		Aug. 19	6.5
	Nov. 29	5.5		Sep. 16	7.0
	Dec. 16	5.5		Oct. 31	6.3
				Dec. 17	5.9
1944			1948		
	Feb. 29	5.1		Feb. 19	6.0
	Mar. 24	5.5		Mar. 18	5.8
	Apr. 24	5.5		Apr. 15	6.2
	May 17	5.7		May 18	6.0
	June 20	5.6		June 17	6.0
	July 18	5.5		July 16	6.3
	Aug. 15	5.5		Aug. 17	6.4
	Sep. 16	5.4		Sep. 21	6.4
	Oct. 17	5.4		Nov. 16	6.2
	Nov. 18	5.2		Dec. 23	6.0
	Dec. 14	5.3			
1945			E-268b-L-21 512.4	Jan. 16	10.8
	Apr. 18	5.3		Feb. 19	10.6
	May 15	5.6		Mar. 10	10.7
	June 18	5.6		Apr. 15	10.8
	July 17	5.4		May 18	11.2
	Aug. 21	5.3		June 18	11.5
	Sep. 18	5.4		July 16	11.8
	Oct. 16	5.3		Aug. 17	12.2
	Nov. 17	5.3		Sep. 21	12.6
	Dec. 18	5.4		Nov. 16	12.7
				Dec. 23	12.5
1946			E-269a-L-22 527.8	Feb. 19	14.2
	Apr. 16	5.4		Mar. 18	14.6
	May 21	5.6		May 18	14.9
	June 21	5.8		Dec. 24	18.5
	July 16	6.2	E-270-L-21 611.1	Jan. 20	94.6
	Aug. 16	6.4		Feb. 20	94.8
	Sep. 17	6.4		Mar. 19	94.7
	Oct. 22	5.8		Apr. 16	94.5
	Nov. 19	5.8		May 1	95.2
	Dec. 18	5.7		June 23	95.6

Measurements from Orange County Flood Control District.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
E-270-L-21 Cont.	July 16 Aug. 17 Sep. 22 Oct. 20 Nov. 17 Dec. 17	95.6 97.0 97.2 95.5 98.1 97.8	E-276-L-22 Cont.	Oct. 13 a Nov. 11 a Dec. 15 a	145.3 146.0 146.2
E-272-L-22 537.1	Jan. 20 Feb. 20	18.8 17.8	E-277b-M-22 969.9	Jan. 2 Feb. 27 Mar. 30 Aug. 31 Oct. 26 Nov. 30	127.6 124.2 124.8 128.4 126.7 126.0
E-273a-L-22 662.2	Jan. 20 Feb. 20 Mar. 19 Apr. 16 May 21 June 18 Aug. 24 Sep. 21 Oct. 22 Nov. 16 Dec. 24	133.7 133.7 135.7 139.8 136.0 135.6 146.2 138.5 138.8 136.0 138.3	E-280d-L-22 635.9	Jan. 19 a Feb. 10 a Mar. 9 a Apr. 14 a May 11 a June 9 a July 11 a Aug. 11 a	93.8 93.0 91.7 90.7 92.0 95.0 96.0 102.5
E-274c-L-22 594.1	Jan. 20 Feb. 20 Mar. 19 Apr. 16 May 21 July 16 Aug. 24 Sep. 21 Oct. 22 Nov. 16 Dec. 24	67.8 64.8 67.0 66.3 67.8 70.2 72.4 73.2 74.0 72.7 73.6	E-282c-L-22 631.5	Feb. 10 a Dec. 15 a	96.0 94.0
E-276-L-22 677.8	Jan. 19 a Feb. 10 a Mar. 9 a Apr. 14 a May 11 a June 9 a Aug. 11 a	138.2 136.7 137.5 137.3 138.0 139.4 143.6	E-286c-L-23 609.9	Feb. 25 Mar. 23	38.0 37.5
			E-287c-L-23 659.4	Jan. 22 Feb. 26 Mar. 26 Apr. 21 May 25 June 22 July 27 Aug. 27 Oct. 26 Nov. 26	82.4 82.9 82.0 82.5 85.2 82.8 87.0 85.2 88.0 87.1
			E-298-L-24 686.1	Jan. 5 b Apr. 22 Nov. 26 Dec. 2 b	21.2 23.6 28.2 28.5

a Measurement by owner.

b Measurement from Riverside Water Basin Records.

Measurements from Orange County Flood Control District except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in San Jacinto Valley

THE UNIVERSITY OF CHICAGO
OFFICE OF THE DEAN
540 EAST 58TH STREET
CHICAGO, ILLINOIS 60637

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
3S4W36A 1495.0	Apr. 21	93.7	3S3W7A Cont.	May 5	c 101.0
	Aug. 12	a 91.7		June 4	c 111.3
	Dec. 20	a 88.1		Aug. 13	ad
3S4W36B 1507.7	Apr. 21	125.7	3S3W7B 1591.0	Oct. 26	ce
	Aug. 11	ab 124.0		Dec. 20	a 106.8
	Dec. 20	a 123.6		Apr. 21	109.0
3S3W1A 1754.5	Apr. 22	271.0		July 12	113.6
	Aug. 13	271.3		Aug. 10	116.2
	Oct. 14	273.6		Aug. 12	a 123.0
3S3W2A *1810.6	Jan. 22	248.0		Sep. 7	119.3
	Mar. 4	c 247.9		Oct. 11	118.0
	Apr. 7	c 247.8	3S3W8A ***1613.4	Nov. 8	115.8
	Apr. 22	253.5		Dec. 20	a 114.9
	May 5	c 247.6		Apr. 21	138.4
	June 4	c 248.1		Aug. 12	a 135.3
	Aug. 19	c 247.4		Dec. 20	a 137.0
	Sep. 29	c 246.6	3S3W12A 1601.	Apr. 22	114.2
	Dec. 21	a 230.±		Aug. 12	a 132.2
				Dec. 21	a 127.1
3S3W6A 1620.	Aug. 12	a 154.2	3S3W13A 1596.4	Mar. 4	c 116.1
	Dec. 20	a 154.0		Apr. 7	c 116.0
3S3W6B **1650.5	Apr. 9	172.1		Apr. 9	115.8
	Apr. 22	187.9		May 5	c 123.3
	June 10	188.9		June 4	c 125.2
	July 12	189.2		July 8	c 127.2
	Aug. 10	197.0		Aug. 10	127.9
	Sep. 7	200.5		Sep. 7	126.0
	Oct. 11	199.8		Sep. 29	c 126.0
	Nov. 8	188.2		Oct. 26	c 125.8
	Dec. 13	182.0		Dec. 14	123.3
	Dec. 20	a 179.5		Dec. 21	a 122.0
3S3W7A 1566.0	Mar. 4	c 94.9	3S3W15A 1550.2	Aug. 12	a 96.7
	Apr. 7	c 100.0		Dec. 21	a 95.9

* New elevation; R. P. changed.

** Correction to Bulletin 39M; R.P. elevation should be 1651.3 and also correction to Bulletin 39N, O, P; R.P. elevation should be 1650.5.

*** R.P. elevation from Metropolitan Water District topographic map.

a Measurement from Division of Water Resources.

b Measurement by owner.

c Measurement from Metropolitan Water District.

d Dry at 117 feet.

e Dry at 116 feet.

Measurements from Riverside County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1947			1948	
3S3W15B 1538.0	Mar. 28	73.4	3S3W29A 1496.5	Apr. 21	134.8
				June 10	134.2
	1948			July 12	133.4
	Aug. 12	ab		Aug. 10	135.1
	Dec. 21	ab		Sep. 7	135.4
3S3W18A *1555.	Apr. 2	80.0	3S3W30A 1503.3	Oct. 11	134.8
	Apr. 30	82.3		Nov. 8	116.2
	June 10	86.0		Dec. 13	116.3
	July 12	82.4	3S3W30B ***1494.0	Apr. 21	73.2
	Aug. 10	80.7		Aug. 12	a 79.2
	Sep. 7	81.4		Dec. 20	a 73.4
	Oct. 11	81.4	3S3W31A 1479.5	Apr. 21	122.6
	Nov. 8	81.8		Aug. 12	a 127.3
	Dec. 13	81.6		Dec. 20	a 124.0
	Dec. 20	a 81.3	3S3W31B 1472.	Mar. 4	e 139.6
3S3W19A 1523.4	Aug. 12	a 87.7		Apr. 7	e 139.5
	Dec. 20	ac		May 5	e 139.8
3S3W19B 1517.7	Apr. 21	d		June 4	e 140.0
				Oct. 26	e 140.1
3S3W19C 1508.4	Apr. 21	53.8	3S3W32A 1464.	Apr. 2	137.9
	Aug. 12	a 45.3		Apr. 22	140.0
	Dec. 20	a 47.6		Sep. 7	149.4
3S3W20A 1506.2	Apr. 21	149.2		Nov. 8	148.7
	Aug. 12	a 146.4		Dec. 13	147.1
	Dec. 20	a 148.0		Dec. 20	a 148.1
3S3W20B 1501.	Apr. 21	69.5	3S2W7A 1590.7	Nov. 8	160.6
	Aug. 12	a 79.4		Dec. 13	156.1
3S3W22A **	Apr. 21	69.5		Dec. 20	a 154.2
	Aug. 12	a 81.2		Apr. 22	105.2
	Oct. 26	e 66.2		July 23	a 104.8
	Dec. 21	a 57.8		Dec. 21	a 109.2

* R.P. elevation from United States Geological Survey topographic map.

** R.P. elevation 1506.6 to and including September 29, 1948; then 1507.0.

*** New elevation; R. P. changed.

a Measurement from Division of Water Resources.

b Dry at 95 ± feet.

c Plugged at 4 ± feet.

d Well filled with debris.

e Measurement from Metropolitan Water District.

Measurements from Riverside County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet
	1948			1948	
3S2W8A 1676.5	Mar. 4	140.9	3S2W29A Cont.	Dec. 14 b	11.7
	Apr. 7	140.9		Dec. 30 a	11.6
	May 5	140.4	3S2W31A 1423.0	July 23 a	Dry
	July 23 a	160.5			
	Aug. 13	141.0	3S2W33A 1425.6	Apr. 7	22.7
	Oct. 26	141.0		June 3	23.5
	Dec. 21 a	150.8		Aug. 13	31.0
3S2W21A 1441.7	Mar. 4	12.2		Oct. 26	26.6
	Apr. 7	11.9		Dec. 21 a	25.5
	May 5	12.2	3S2W34A	Jan. 22 b	24.9
	July 8	11.6		Apr. 7	24.9
	July 23 a	10.6		June 3	26.7
	Aug. 13	12.0		Aug. 13 a	29.8
	Oct. 26	12.4		Oct. 26	27.4
	Dec. 21 a	11.1		Dec. 21 a	26.6
3S2W22A 1510.2	Jan. 20	bc	3S2W35A *1429.2	July 8	46.2
3S2W26A 1460.	Mar. 4	44.9		Aug. 26 d	22.0
	Apr. 7	44.3		Nov. 24 d	26.2
	May 5	44.5		Dec. 21 a	26.6
	June 3	44.8	4S4W1A 1504.7	Feb. 7 d	41.5
	July 8	44.6		Apr. 22 b	43.8
	Aug. 13	44.6		Apr. 26 d	41.6
	Sep. 28	44.4		Aug. 26 d	42.5
	Oct. 26	44.2		Nov. 24 d	42.9
	Dec. 13	43.9		Dec. 18 a	42.8
	Dec. 21 a	43.7	4S4W12A **	Aug. 12 a	240.0
3S2W26B 1428.7	July 23 a	65.6		Oct. 26	232.6
	Dec. 21 a	61.6		Dec. 18 a	233.7
3S2W29A 1428.1	June 10 b	11.1	4S3W1A 1421.3	July 23 a	65.0
	July 12 b	11.5		Dec. 28 a	60.1
	July 23 a	11.6	4S3W2A 1530.5	Dec. 31 a	47.5
	Aug. 10 b	11.9			
	Sep. 7 b	13.9			
	Oct. 14 b	12.8			
	Nov. 10 b	12.1			

* Correction: R. P. elevation should be 1429.2, beginning February 1, 1943.

** R.P. elevation 1488.9 to and including September 29, 1948; then 1487.3.

a Measurement from Division of Water Resources.

b Measurement from Riverside County Flood Control District.

c Dry at 48 feet.

d Measurement from United States Geological Survey.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev	Date	Dist. R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Feet
	1948			1948	
4S3W3A 1495.	Apr. 22	146.5	4S3W19A Cont.	Nov. 8	82.6
	Aug. 12	a 147.8		Dec. 13	81.0
	Dec. 18	a 149.8		Dec. 18	a 81.9
4S3W5A 1446.	Mar. 26	54.8	4S3W20B	Dec. 18	a 185.8
	Apr. 9	62.9	4S3W21A 1425.	Dec. 18	a 130.7
4S3W6A 1478.	Apr. 22	233.8			
	Dec. 18	a 239.2	4S3W24B 1432.	Dec. 29	a 111.6
4S3W9A 1446.4	Apr. 20	146.3			
	July 12	158.2	4S3W24C 1442.2	Mar. 4	b 118.9
	Nov. 8	158.7		Apr. 7	b 118.6
	Dec. 13	156.5		May 5	bc 122.3
	Dec. 18	a 155.8		June 4	bc 125.5
4S3W10A	Mar. 4	b 160.0		July 8	bc 127.6
	Apr. 7	b 155.3		Aug. 11	a 134.5
	May 5	b 155.1		Sep. 29	bc 131.2
	June 4	b 157.1		Oct. 26	bc 128.7
	Aug. 19	bc 163.4		Dec. 13	b 124.9
	Sep. 29	bc 170.7		Dec. 28	a 123.9
	Oct. 26	bc 169.6	4S3W26A 1427.2	Dec. 29	a 113.9
	Dec. 18	a 177.3			
4S3W18A 1481.3	Apr. 22	117.4	4S3W28A *1414.0	Apr. 20	131.6
	June 10	122.7		Aug. 13	a 139.5
	July 12	141.1		Dec. 18	a 145.0
	Aug. 10	134.5	4S3W28B 1422.0	Aug. 13	a 132.7
	Sep. 7	126.6		Sep. 29	b 120.7
	Oct. 11	119.7		Dec. 13	b 120.8
	Nov. 8	125.6		Dec. 18	a 125.1
	Dec. 13	119.8			
	Dec. 18	a 120.2			
4S3W19A 1478.2	Apr. 22	81.7	4S3W32A **1434.8	Feb. 7	d 66.4
	June 10	82.6		Mar. 4	b 64.6
	July 12	82.5		Mar. 19	64.4
	Aug. 10	81.8		Apr. 7	b 64.5
	Sep. 7	82.6		May 5	b 64.5
	Oct. 11	80.5		June 10	64.7

* New elevation, R.P. changed.

** Correction: R.P. elevation should be 1434.8 beginning April 17, 1945.

a Measurement from Division of Water Resources.

b Measurement from Metropolitan Water District.

c Pumping nearby.

d Measurement from United States Geological Survey.

Measurements from Riverside County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
1948			1948		
4S3W32A	July 8	64.8	4S2W6A	Oct. 11 a	46.1
Cont.	Aug. 13	64.8	Cont.	Nov. 10 a	46.6
	Sep. 7 a	64.8		Dec. 14 a	47.0
	Sep. 29	64.9		Dec. 28 c	48.5
	Oct. 26	64.8			
	Nov. 24 b	64.7	4S2W7A	Feb. 6 b	83.3
	Dec. 18 c	64.9	*1445.2	Mar. 4	81.4
				Apr. 7	80.5
4S3W35A	Mar. 4	117.0		Apr. 26 b	83.6
1424.1	Apr. 7	116.2		June 10 a	87.7
	May 5 d	122.1		July 12 a	90.7
	June 4 d	124.5		July 23 c	91.2
	Aug. 19	123.6		July 27 b	91.2
	Sep. 29	125.0		Sep. 7 a	92.7
	Oct. 26	125.0		Sep. 29	93.1
	Dec. 13	123.0		Oct. 27 b	95.1
4S2W1A	July 28 c	5.7		Nov. 24 b	94.4
1436.7	Dec. 22 c	6.4		Dec. 14 a	87.8
				Dec. 28 c	86.3
4S2W2B	Dec. 21 ce		4S2W8B	Dec. 29 c	108.5
1431.7			1457.6		
4S2W2C	Jan. 21 a	28.1	4S2W10A	July 23 c	43.2
1430.7	July 23 c	51.4	1444.9	Dec. 22 cf	
	Dec. 7 c	30.5			
	Dec. 21 c	30.6	4S2W17A	Dec. 29 c	159.2
			1495.		
4S2W3A	Mar. 4	42.0	4S2W18B	Dec. 28 c	123.2
1436.4	May 5	42.3	1462.6		
	June 3	42.6			
	July 8	42.9	4S2W18C	Dec. 29 c	122.9
	Sep. 28	43.8	1472.0		
	Oct. 26	43.9			
	Dec. 13	44.1	4S2W18D	Dec. 29 c	160.9
	Dec. 22 c	44.0	1505.0		
4S2W6A	July 23 c	44.0	4S2W19A	Aug. 13 c	29.0
1422.	Aug. 10 a	44.6		Dec. 28 c	21.4
	Sep. 7 a	45.2			

* Correction: R.P. elevation should be 1445.2, beginning January 9, 1945.

a Measurement from Riverside County Flood Control District.

b Measurement from United States Geological Survey.

c Measurement from Division of Water Resources.

d Pumping nearby.

e Dry at 20 feet.

f Dry at 52± feet.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
4S2W20A	Aug. 13	a 215.0	4S1W15C	July 28	a 31.6
	Dec. 29	ab		Dec. 23	a 17.4
4S2W36A	Mar. 4	30.4	4S1W15D	July 28	a 27.1
1501.2	Apr. 7	30.6	1520.1	Dec. 24	a 25.2
	May 5	31.0	4S1W16B	July 27	a 4.5
	June 4	31.2	1475.7	Dec. 22	a 5.7
	July 8	31.7	4S1W17A	Feb. 16	5.9
	July 29	a 32.0	1455.4	Mar. 9	5.8
	Aug. 13	32.2		Apr. 6	6.0
	Sep. 29	32.9		May 5	6.2
	Oct. 26	32.9		June 9	7.0
	Dec. 7	a 32.6		July 27	a 7.8
4S1W6A	July 28	a 81.6		Sep. 8	9.1
	Dec. 1	a 89.5		Oct. 6	9.6
	Dec. 15	a 80.2		Nov. 10	9.7
4S1W7A	July 27	a 7.6		Dec. 8	8.8
1453.3				Dec. 22	a 8.7
4S1W7B	July 27	ac 7.8	4S1W17B	Feb. 16	6.4
1449.1	Dec. 22	a 7.5	1457.5	Mar. 9	6.1
				Apr. 6	6.0
4S1W7C	July 28	a 11.4		May 5	6.3
1452.7				June 9	6.7
				July 14	7.1
4S1W7D	July 28	a 10.9		July 27	a 5.7
1446.1				Sep. 8	6.7
				Oct. 6	7.2
4S1W15A	July 28	a 45.9		Nov. 10	7.5
1500.5	Dec. 23	a 25.1		Dec. 8	7.2
				Dec. 28	a 6.9
4S1W15B	Mar. 4	11.6	4S1W17C	Feb. 16	3.3
	Apr. 6	13.7	1458.3	Mar. 9	3.0
	May 5	27.3		Apr. 6	3.4
	June 3	34.1		May 5	3.9
	July 8	39.9		June 9	4.4
	July 28	a 43.0		July 27	a 5.0
	Aug. 13	42.1		Sep. 8	6.0
	Sep. 28	47.0		Oct. 6	6.5
	Oct. 26	40.6		Nov. 10	6.5
	Dec. 13	25.8		Dec. 8	5.7
	Dec. 23	a 24.2			

a Measurement from Division of Water Resources.

b Dry at 215.0 feet.

c Flow in irrigation ditch, 10 feet east.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
4S1W17D 1464.4	Feb. 16	3.5	4S1W20A 1478.8	Mar. 4	10.6
	Mar. 9	3.5		Apr. 6	10.5
	Apr. 6	3.4		May 5	10.2
	May 5	3.9		June 9	10.6
	June 9	4.6		July 14	11.2
	July 14	5.6		July 27 a	11.3
	July 24 a	6.1		Sep. 8 c	
	Sep. 8	7.0		Nov. 10 c	
	Oct. 6	7.0		Dec. 29 a	11.5
	Nov. 10	6.3	4S1W21A 1473.6	Feb. 16	5.2
	Dec. 8	5.7		Mar. 9	5.0
	Dec. 22 a	5.4		Apr. 6	4.7
4S1W18A 1450.9	Feb. 16	7.5		May 5	4.6
	June 14 b	7.9		June 9	4.5
	July 14	9.0		July 14	4.6
	July 27 a	8.1		July 26 a	5.8
	Aug. 12 b	9.7		Sep. 8	6.4
	Sep. 8	8.5		Oct. 6	6.6
	Oct. 14 b	8.9		Nov. 10	6.5
	Nov. 9 b	9.0		Dec. 8	6.1
	Dec. 8	9.1	4S1W21B 1491.2	Feb. 16	6.0
	Dec. 22 a	9.1		Mar. 9	6.0
4S1W18B *1450.9	July 27 a	6.1		Apr. 6	5.8
	Dec. 22 a	6.6		May 5	6.0
4S1W18C 1466.5	Feb. 16	19.1		June 9	6.6
	Mar. 9	19.1		July 14	7.5
	Apr. 6	19.2		Sep. 8	8.6
	May 5	19.4		Oct. 6	8.9
	June 9	19.6		Nov. 10	8.6
	July 14	19.9		Dec. 8	8.3
	July 27 a	20.0		Dec. 23 a	8.0
	Sep. 8	20.3	4S1W21C 1489.0	July 28 a	6.5
	Oct. 6	20.6		Dec. 23 a	6.9
	Nov. 10	20.8	4S1W22A **1408.6	July 28 a	47.2
	Dec. 8	20.7		Dec. 23 a	25.3
	Dec. 22 a	20.5	4S1W22B 1506.0	July 28 a	11.4
4S1W19A 1458.8	July 27 a	11.4			
	Dec. 28 a	9.7			

* Correction: R. P. elevation should be 1450.9, beginning January 20, 1941.

** Correction: R. P. elevation should be 1508.6, beginning December 12, 1941.

a Measurement from Division of Water Resources.

b Measurements from Riverside County Flood Control District.

c Dry at 11.8 feet.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P.Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
4S1W22C	July 28	a 6.4	4S1W27B	Jan. 28	b
	Dec. 24	a 6.0	1538.5	July 27	ac
4S1W23A	Apr. 6	38.4	4S1W28B	July 27	a 26.1
1551.2	June 3	54.7	1514.5	Dec. 23	ad
	Aug. 13	63.0	4S1W28C	Jan. 27	ae
	Sep. 28	66.9	1507.8		
	Oct. 26	61.0	4S1W29A	Mar. 4	42.7
	Dec. 13	53.6	1508.8	Apr. 6	43.0
	Dec. 24	a 50.3		May 5	43.6
4S1W23B	Mar. 4	34.6		July 27	af
1545.4	Apr. 6	35.4	4S1W29B	Dec. 7	a 44.1
	May 5	38.2	1502.0		
	June 3	42.1	4S1W30A	July 28	ag
	July 8	47.0	1492.2		
	Aug. 13	51.3	4S1W31A	July 29	a 50.4
	Sep. 28	55.7	1504.5	Dec. 7	a 43.4
	Oct. 26	57.1	4S1W32A	Mar. 4	44.3
	Dec. 13	49.7	1513.8	Apr. 7	44.7
	Dec. 24	a 48.8		May 5	45.9
4S1W23C	July 28	a 27.6		June 4	45.9
	Dec. 24	a 27.1		July 8	48.0
4S1W25A	Mar. 4	50.1		July 29	a 51.3
1566.	Apr. 6	52.2		Aug. 13	52.8
	May 5	59.5		Sep. 29	57.6
	June 3	63.7		Oct. 26	54.8
	July 8	69.1		Dec. 7	a 51.3
	July 28	a 71.7		Dec. 13	48.6
	Aug. 13	72.2	4S1W32B	Dec. 7	a 70.3
	Sep. 28	74.8	1527.5		
	Oct. 26	72.1	4S1W33A	Mar. 4	59.5
	Dec. 13	68.0	1520.9	Apr. 6	59.5
	Dec. 24	a 66.3			
4S1W26A	Dec. 24	a 56.6			
1552.9					

a Measurement from Division of Water Resources.

b Mud at 17 feet.

c Dry at 17 feet.

d Dry at 26.2 feet.

e Dry at 11.3 feet.

f Dry at 44 feet.

g Dry at 19.9 feet.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
4S1W33A Cont.	May 5	ab 60.5	5S3W2A	Aug. 11	32.9
	June 4	a 63.8		Dec. 18	27.7
	July 8	a 65.7	5S3W2C	Dec. 18	154.0
	July 27	b 63.8	5S3W3A	Aug. 11	145.3
	Aug. 13	ab 64.8		Dec. 18	131.6
	Sep. 28	a 68.2	5S3W5A	Apr. 20	g 25.1
	Oct. 26	a 69.3	1415.2	Aug. 11	25.1
	Dec. 7	67.0		Dec. 16	25.9
	Dec. 13	ab 67.6	5S3W5B	Dec. 16	126.5
4S1W33B 1527.8	July 29	63.2	1413.5		
	Dec. 31	63.3	5S3W6A	Aug. 11	47.5
4S1W33C 1514.9	July 27	38.2		Dec. 16	49.6
	Dec. 31	31.7	5S3W6B	Aug. 11	32.2
4S1W33E 1533.8	Dec. 7	76.2		Dec. 16	32.2
4S1W34A 1542.7	Jan. 27	ac	5S3W7A	Aug. 11	17.4
4S1W35B 1578.0	July 29	d		Dec. 16	17.9
4S1W35D 1578.5	Mar. 4	ae	5S3W7B	July 13	g 18.2
	Dec. 24	ae		Aug. 10	g 18.3
4S1W36A 1608.0	Aug. 22	106.1		Sep. 7	g 18.4
	Dec. 24	105.1		Oct. 11	g 18.5
4S1E31A 1675.0	July 28	78.0		Nov. 8	g 18.7
	Dec. 24	70.9	5S3W8A	Dec. 13	g 18.9
4S1E31B 1606.9	July 29	94.1	1412.4	Dec. 31	18.7
	Dec. 24	96.9		Mar. 4	a 104.5
5S3W1A	Aug. 11	22.8		Apr. 7	a 105.2
	Dec. 18	f 25.6		May 5	a 106.9
				June 4	a 108.4
				July 8	a 115.5
				Aug. 11	115.2
				Sep. 29	a 120.0

a Measurement from Metropolitan Water District.

b Pumping nearby.

c Plugged at 5 feet.

d Dry at 33 feet.

e Dry at 50 feet.

f Pumping all morning.

g Measurement from Riverside County Flood Control District.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5S3W8A Cont.	Oct. 26 Dec. 16	a 116.9 114.1	5S3W33D 1420.1	Dec. 16	71.4
5S3W11A 1480.2	Dec. 17	79.4	5S3W34A 1416.8	Aug. 10 Dec. 16	63.5 66.4
5S3W13A 1474.2	Aug. 11 Dec. 18	37.3 34.5	5S3W34C 1417.4	Aug. 10 Dec. 16	62.0 63.1
5S3W14A 1446.2	Aug. 11	83.8	5S3W35A 1423.2	May 5 July 8 Aug. 10 Dec. 16	a 52.4 a 53.6 54.8 55.4
5S3W16A 1423.3	Mar. 4 Dec. 16	a 110.6 123.2	5S3W36A 1430.9	Aug. 10 Dec. 16	54.4 49.1
5S3W17A 1444.4	Aug. 11 Dec. 16	132.6 134.7	5S3W36B 1437.2	Jan. 19	d
5S3W17B 1445.6	Dec. 31	113.7	5S3W36C 1424.8	Dec. 16	54.8
5S3W20A 1434.7	Dec. 16	b 128.	5S3W36D 1449.3	Aug. 10 Dec. 16	32.6 35.3
5S3W22A 1425.0	Aug. 11	108.4	5S2W7A 1542.4	Apr. 20 Aug. 10 Dec. 16	e 166.0 176.9 177.5
5S3W24A 1459.9	Aug. 11 Dec. 17	58.4 47.0	5S2W7B 1531.3	Aug. 10 Dec. 17	212.9 167.8
5S3W24B 1465.7	Aug. 11 Dec. 17	83.8 55.6	5S2W12A 1507.9	Aug. 9 Dec. 6	31.3 27.2
5S3W24C 1456.9	Dec. 17	55.8	5S2W12B 1501.1	Mar. 4 Apr. 7 May 5 July 8 Aug. 9	a 28.8 a 30.2 a 32.2 a 39.8 a 40.6
5S3W29A 1410.4	Aug. 10 Dec. 16	c 68.1			
5S3W29B *1427.7	Aug. 11 Dec. 16	92.0 95.1			

* New elevation; R. P. changed.

a Measurement from Metropolitan Water District.

b Air gage.

c Dry at 75± feet.

d Dry at 39 feet.

e Measurement from Riverside County Flood Control District.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5S2W12B	Dec. 7	34.0	5S2W24D	Aug. 9	48.9
Cont.	Dec. 13	a 33.0		Dec. 8	48.0
5S2W12C	Aug. 9	37.7	5S2W25A	Aug. 9	61.8
1526.8	Dec. 7	38.0	1487.9	Dec. 8	63.0
5S2W15A	Aug. 10	b	5S2W25B	Aug. 9	95.2
1540.3	Dec. 15	c 53.4	1486.6	Dec. 8	86.3
5S2W15B	Jan. 22	d	5S2W27E	Apr. 26	e 34.1
1524.9			***1476.9	June 4	a 34.4
				Aug. 10	36.4
5S2W17A	Aug. 10	40.7		Aug. 13	a 35.8
	Dec. 16	41.3		Sep. 8	g 35.9
				Oct. 13	g 36.9
5S2W17B	Aug. 10	25.0		Nov. 8	g 36.2
	Dec. 16	26.0		Dec. 15	36.1
5S2W22A	Aug. 10	38.7	5S2W31A	Aug. 10	h
1489.4	Dec. 16	39.6	1457.1	Dec. 16	h
5S2W22B	Aug. 10	45.2	5S2W32A	Aug. 10	24.6
1513.	Dec. 15	48.3	1458.2	Dec. 16	25.2
5S2W22C	Aug. 10	39.8	5S2W32C	Aug. 10	20.8
*1503.8	Dec. 15	40.8	1455.0	Dec. 16	18.8
5S2W24A	Aug. 9	47.8	5S2W33A	Aug. 10	26.1
1495.9	Dec. 8	42.4	1459.5	Dec. 16	29.9
5S2W24B	Feb. 7	e 35.6	5S2W33B	Aug. 10	33.8
**1499.1	Apr. 7	af 47.6	1469.3	Dec. 16	36.0
	May 5	a 43.0			
	Aug. 26	e 41.8	5S2W35A	Dec. 8	53.5
	Nov. 24	e 41.9	1481.0		

* New elevation; R. P. changed.

** Correction: R. P. elevation should be 1499.1 beginning April 7, 1942.

*** Correction: R.P. elevation should be 1477.6 to and including April 29, 1947; then, 1476.8 to end including January 22, 1948, then, 1476.9.

a Measurement from Metropolitan Water District.

b Dry at 51.6 feet.

c Well has been cleaned and deepened.

d Dry at 43 feet.

e Measurement from United States Geological Survey.

f Pumping nearby.

g Measurement from Riverside County Flood Control District.

h Dry at 27 feet.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5S2W35C 1474.8	Dec. 15	a 60.2	5S1W4A 1538.8	July 30 Dec. 6	a 88.8 a 77.4
5S2W36B 1493.7	Mar. 4 Apr. 7 May 5 July 8 Aug. 9 Aug. 13 Sep. 29 Oct. 26 Dec. 8 Dec. 13	68.0 68.5 68.9 70.4 a 71.9 71.0 72.4 73.2 a 74.2 74.3	5S1W4C 1510.9	July 30 Dec. 6	a 55.3 a 44.2
5S1W2A 1582.4	Dec. 4	a 98.8	5S1W4D 1538.0	July 30 Dec. 6	a 95.9 a 88.2
5S1W2I *1585.1	Feb. 6 Mar. 4 Apr. 6 Apr. 26 May 5 July 8 July 30 Aug. 26 Sep. 28 Oct. 26 Nov. 24 Dec. 4 Dec. 13	b 71.4 71.4 71.6 b 71.6 72.1 72.9 a 76.4 b 72.5 74.7 75.3 b 75.0 a 75.9 76.3	5S1W5A 1520.8	July 30 Dec. 6	a 42.2 a 35.6
5S1W3C 1549.6	Mar. 4 Apr. 6 May 5 July 8 July 30 Aug. 13 Sep. 28 Oct. 26 Dec. 4 Dec. 13	71.0 73.3 78.0 80.0 81.4 81.6 83.6 80.7 a 76.2 75.7	5S1W5B 1528.2	Dec. 6	a 79.8
			5S1W5C 1536.8	Mar. 4 Apr. 6 May 5 June 4 July 8 Oct. 26 Dec. 6 Dec. 13	83.2 103.0 c 107.7 d c a 99.2 96.5
			5S1W7A 1505.	July 29 Dec. 6	a 27.3 a 27.7
			5S1W7B 1510.7	July 29 Dec. 6	a 31.9 a 31.3
			5S1W7C 1505.5	Apr. 19 Dec. 6	e 35.9 a 35.0
			5S1W8B 1512.6	July 29 Dec. 4	a 42.0 a 40.4
			5S1W9A 1542.0	Mar. 4 Apr. 6 May 5 June 4 July 8	86.7 94.9 99.4 93.8 101.6

* Correction: R.P. elevation should be 1585.1, beginning February 4, 1940.

a Measurement from Division of Water Resources.

b Measurement from United States Geological Survey.

c Damp at 110 feet.

d Dry at 110 feet.

e Measurement from Riverside County Flood Control District.

Measurements from Metropolitan Water District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5S1W9A	July 29	103.7	5S1W18C	July 29	65.4
Cont.	Sep. 8	a 109.7		Dec. 8	61.8
	Sep. 28	b 102.8	5S1W19A	Dec. 6	100.0
	Oct. 11	a 104.0	1515.5		
	Oct. 26	b 91.2	5S1W19C	Apr. 19	a 54.2
	Nov. 8	a 88.4	1512.3	July 29	56.4
	Dec. 13	b 88.1		Dec. 6	48.1
	Dec. 14	a 88.9	5S1W20A	Apr. 19	a 100.0
5S1W9B	Dec. 6	131.2	1528.7	June 14	a 105.7
1555.				July 13	a 107.5
5S1W10B	Mar.	c 139.5		July 29	98.2
	Apr.	c 139.5		Sep. 8	a 95.3
	May	c 141.		Nov. 8	a 88.7
	June	c 141.		Dec. 6	86.8
	July	c 142.		Dec. 13	84.1
	Aug.	c 147.	5S1W20B	Jan. 21	e
	Sep.	c 148.	1529.6		
	Oct.	c 148.	5S1W20D	Aug. 9	83.0
	Dec. 6	138.4	1527.	Dec. 6	76.0
	Dec. 13	a 122.7	5S1W21C	Apr. 19	a 35.2
5S1W11A	Dec. 3	199.0		July 31	39.2
1638.5				Dec. 3	41.8
5S1W13B	Dec. 3	229.5	5S1W27A	July 31	39.3
1688.5				Dec. 3	39.8
5S1W14B	Oct. 11	a 186.3	5S1W28A	July 31	26.4
1640.2	Nov. 8	a 185.5	1568.7	Dec. 3	26.9
	Dec. 14	a 186.7	5S1W30A	July 31	119.3
5S1W15A	Dec. 3	153.0	1501.		
1603.			5S1W30B	Jan. 23	103.1
5S1W17B	July 29	124.0	1503.7	Dec. 6	106.6
1522.	Dec. 8	82.1			
	Dec. 8	d 87.5			
5S1W18A	July 29	83.2			
1511.5	Dec. 8	60.1			

a Measurement from Riverside County Flood Control District.

b Measurement from Metropolitan Water District.

c Measurement from Riverside County Flood Control District by Owner.

d Air gage.

e Dry at 73.7 feet.

Measurements from Division of Water Resources except as noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Feet
	1948				1948		
5S1W30C	July 29	a	48.5	5S1E14A	Jan. 21	a	192.8
	Dec. 6	a	49.5	1890.	June 14		139.6
5S1W34B	July 31	a	59.7		July 13		125.6
	Aug. 11		59.7		Aug. 12		192.1
	Sep. 8		60.0		Sep. 8		192.2
	Oct. 13		60.3		Oct. 11		175.9
	Nov. 8		60.6		Nov. 8		175.2
	Dec. 3	a	60.6	5S1E17A	Aug. 22	a	226.7
	Dec. 14		59.8	1762.4	Dec. 4	a	232.5
	1947			5S1E17B	Aug. 6	a	297.7
5S1E5A	Nov. 17	b	47.0	1841.			
1663.7				5S1E17C	Apr. 6	c	244.8
	1948			1800.9	Oct. 26	c	251.8
	Jan. 27	c	42.9		Dec. 4	a	252.2
	Apr. 20	b	50.1		Dec. 13	c	251.5
	July 31	ab	56.0	5S1E18B	Mar. 4	c	209.5
	Dec. 31	ab	59.8	1761.5	Apr. 6	c	213.2
5S1E6A	Apr. 19	b	121.8		Apr. 19		240.3
1650.5	Dec. 4	a	137.4		May 5	c	216.6
5S1E6C	July 31	a	117.4		July 8	c	213.7
1651.5	Dec. 24	a	115.4		Aug. 13	c	218.3
5S1E7A	Sep. 7		214.8		Sep. 21	a	225.7
1720.	Oct. 11		217.8		Sep. 28	c	223.4
	Nov. 9		202.7		Oct. 26	c	223.8
	Dec. 3	a	200.0	5S1E19A	Dec. 4	a	234.1
5S1E9D	Apr. 19		77.3	1803.2	Dec. 13	c	223.0
1759.8	July 30	a	79.7				
	Dec. 4	a	73.6	5S1E20B	1946		
5S1E10B	Apr. 19		34.5	1861.0	Feb. 12	c	242.5
1810.6	July 31	ad			Mar. 11	c	242.3

a Measurement from Division of Water Resources.

b Pumping nearby.

c Measurement from Metropolitan Water District.

d Dry at 37 feet.

Measurements from Riverside County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5S1E20C 1903.8	July 31 Dec. 4	a 282.5 a 286.0	6S3W4A Cont.	Dec. 13 Dec. 16	62.5 a 62.4
6S3W2B *1425.5	Aug. 10 Dec. 16	a 56.4 a 53.5	6S3W5A 1399.0	Apr. 20 Aug. 10 Dec. 16	38.9 a 39.9 a 41.5
6S3W3A 1428.3	June 14 July 13 Aug. 10 Aug. 11 Sep. 8 Oct. 11 Nov. 8 Dec. 13 Dec. 16	56.8 60.8 a 58.0 58.1 61.0 59.2 59.4 61.0 a 59.3	6S3W11A 6S3W12A 1429.5 6S3W23A	Aug. 10 Dec. 16 Aug. 10 Dec. 16 June 14 July 13 Aug. 10 Aug. 11 Sep. 8 Oct. 11 Nov. 8 Dec. 13 Dec. 16	a 8.6 a 8.1 a 54.6 a 55.7 14.1 14.6 a 14.7 14.9 15.5 15.8 15.9 15.5 a 15.3
	1947				
6S3W3B 1450.0	Jan. 8	b			
	1948				
6S3W4A **	Jan. 19 Feb. 7 Apr. 26 June 14 July 8 July 13 Aug. 10 Aug. 11 Aug. 26 Sep. 8 Oct. 11 Nov. 8 Nov. 24	ab c 59.3 c 62.2 62.8 d 63.1 62.9 a 63.5 63.6 c 63.6 65.9 64.7 63.2 c 63.3	6S2W6B 1438.5 6S1W4A 6S1W10A	June 14 Aug. 10 Aug. 11 Oct. 11 Nov. 8 Dec. 13 Dec. 16 July 31 Dec. 3 July 31 Dec. 3	61.8 a 67.5 65.0 68.0 65.2 64.1 a 64.1 a 49.8 a 50.1 a 60.5 a 62.4

* New elevation; R. P. changed.

** Correction: R.P. elevation should be 1440.6, beginning February 23, 1938 to and including November 11, 1947; then 1438.3.

a Measurement from Division of Water Resources.

b Dry at 58.8 feet.

c Measurement from United States Geological Survey.

d Measurement from Metropolitan Water District.

Measurements from Riverside County Flood Control District except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in Antelope Valley

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
5N9W6A 2847.3	Nov. 8	a 41.2	5N11W10A Cont.	Mar. 3 Apr. 30	91.5 92.3
5N9W20A 3166.	Nov. 29	a 240.9		June 10 July 15	93.5 94.2
5N10W6A 2777.	Jan. 14 Feb. 19 Mar. 23 Apr. 30 May 27 June 10	90.4 90.5 90.4 92.6 95.5 95.2		Aug. 11 Sep. 10 Oct. 15 Nov. 9 Dec. 14	95.2 95.1 95.2 95.2 96.2
5N10W7A 2817.	Dec. 14	a 136.4	5N11W12B 2834.	Dec. 14	143.1
5N10W12A 2884.	Jan. 5 Feb. 2 Mar. 1 Mar. 29 Apr. 27 May 26 June 24 July 26 Aug. 25 Sep. 27 Oct. 26 Nov. 29 Dec. 27	a 51.8 a 51.9 a 52.0 a 52.2 a 52.2 a 52.3 a 52.4 a 52.6 a 52.8 a 53.0 a 53.2 a 53.4 a 53.6	5N11W13B 2913.	Dec. 14	228.1
			6N8W18A 2725.	Jan. 5 Mar. 1	a 161.7 a 161.6
			6N8W32A 2955.5	Nov. 15	a 193.6
			6N9W4A 2596.8	Nov. 15	a 116.2
			6N9W31A 2832.	Nov. 8	a 32.3
			6N10W9B 2576.3	Nov. 10	a 193.1
5N10W26A 3155.	Nov. 8	a 50.2	6N10W9C 2598.5	Nov. 10	a 151.6
5N11W4A 2695.	Dec. 14	149.8	6N10W10A 2614.	Nov. 10	a 75.3
5N11W4D 2756.	Dec. 14	150.6	6N10W20A 2639.	Jan. 5 Feb. 2 Mar. 1 Mar. 29 Apr. 27 May 26 June 24	a 164.0 a 163.6 a 170.2 a 169.0 a 178.8 a 180.8 a 181.4
5N11W9A 2858.	Dec. 14	51.2			
5N11W10A 2836.	Jan. 14 Feb. 25	92.0 91.8			

a Measurement by United States Geological Survey.
 Measurements from Los Angeles County Flood Control District except, as
 noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
6N10W20A Cont.	July 26 Aug. 25 Dec. 27	a ab a	6N11W33B 2683.	Dec. 14	129.4
6N10W27A 2677.	Nov. 10	a	6N12W25A 2653.2	Jan. 14 Feb. 25 Mar. 3 June 9 July 15 Aug. 11 Oct. 14 Nov. 9	f f f f f f f f
6N10W32A 2694.	Nov. 10	a			297.2 297.8 298.1 285.2 286.4 286.9 288.2 292.5
6N11W4A 2481.	Nov. 8	a	6N13W12A 2607.5	Dec. 13	a
6N11W8A 2523.5	Nov. 8	ac	7N9W28A 2553.	Nov. 15	ag
6N11W8G 2512.	Nov. 8	a	7N10W7A 2397.5	Apr. 27 May 26 Nov. 9	a ah ah
6N11W12A 2541.	Nov. 10	a	7N10W21A 2465.	Nov. 10	a
6N11W12C 2552.	Nov. 10	a	7N10W31A 2506.	Nov. 10	a
6N11W18B 2562.	Nov. 8	a	7N11W8A 2383.4	Nov. 9	a
6N11W19A 2583.	Jan. 21 Aug. 26		7N11W16A 2392.	Nov. 9	a
6N11W21A 2570.	Spring	e	7N11W19A 2430.	Nov. 9	a
6N11W28B 2625.	Dec. 14				

a Measurement by United States Geological Survey.

b Dry at 200 feet.

c Pumping nearby.

d Measurement by a pump company.

e Measurement by owner.

f Casing wet and muddy.

g Dry at 145 feet.

h Dry at 81.6 feet.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
7N11W23B 2439.	Nov. 9	a 142.4	7N12W22B 2412.	Feb. 25 Mar. 3 Apr. 30 June 9 July 15 Aug. 12 Sep. 10 Oct. 15 Nov. 19 Dec. 7	106.3 105.9 106.0 110.9 111.2 113.3 114.9 116.4 114.1 113.2
7N11W24A 2433.	Jan. 5 Feb. 2 Mar. 1 Apr. 27 May 26 June 24 July 26 Aug. 25 Sep. 25 Oct. 26 Nov. 29 Dec. 27	a 138.0 a 137.3 a 136.2 a 143.5 a 145.4 a 147.2 a 149.2 a 152.4 a 152.1 a 150.0 a 147.5 a 145.5	7N13W11B 2356.	Dec. 8	4.8
7N11W27A *2454.5	Nov. 9	a 163.3	7N13W17A 2421.7	Nov. 30	125.3
7N11W28B 2448.7	Nov. 8	a 150.2	7N13W21C 2373.	Dec. 15	87.8
7N11W28D 2440.8	Nov. 9	a 162.6	7N13W27A 2421.	Dec. 15	149.7
7N12W4B 2312.8	Jan. 21 Mar. 2 July 14 Oct. 15 Dec. 7	6.4 5.6 10.1 12.2 9.6	7N13W35A 2444.	Dec. 15	194.4
7N12W6B 2330.	Dec. 7	30.6	7N14W10A 2558.	Jan. 20 Mar. 2 July 14 Oct. 14 Dec. 11	189.6 189.2 191.7 192.4 193.9
7N12W8A 2317.	Dec. 7	16.4	8N9W4B 2305.5	Nov. 9	a 24.9
7N12W15C 2348.5	Jan. 21 Mar. 3 July 14 Oct. 15 Dec. 7	47.0 45.6 61.2 63.8 54.4	8N9W4I 2294.	Nov. 9	a 15.3
			8N9W6D 2304.	Nov. 9	a 14.3

* Correction to Bulletin 39P: Beginning February 5, 1947, R.P. elevation should be 2454.5.
 a Measurement by United States Geological Survey.
 Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
8N10W2A 2310.	Nov. 9	a 19.0	8N12W22D 2301.5	Dec. 7	15.5
8N10W9A 2319.	Jan. 5	a 25.0	8N12W24A 2310.	Nov. 9	c 17.2
	Feb. 2	a 25.1			
	Mar. 1	a 25.2	8N12W30B 2324.	Dec. 7	20.3
	Mar. 29	a 25.3			
	Apr. 27	a 25.5	8N13W2A *2378.5	Dec. 8	50.5
	May 26	a 25.6			
	June 24	a 25.9	8N13W7A 2442.	Dec. 8	121.7
	July 26	a 26.1			
	Aug. 25	a 26.4	8N13W8B 2437.	Jan. 21	110.0
	Sep. 27	a 26.7		Mar. 3	109.5
	Oct. 26	a 26.9		July 14	116.1
	Nov. 29	a 26.9		Oct. 14	117.8
	Dec. 27	a 26.9			
8N10W19A 2342.5	Nov. 9	a 85.1	8N13W22A 2385.5	Dec. 8	78.8
8N11W20A 2315.	Nov. 9	ab	8N13W23A 2376.	Dec. 8	71.2
8N11W22A 2318.	Nov. 9	a 72.4	8N14W2B 2494.5	Dec. 9	145.8
8N11W30B 2330.2	Nov. 9	a 37.4	8N14W12A 2472.	Dec. 8	140.2
8N12W20A 2319.	Dec. 7	23.9	8N14W14A *2495.5	Dec. 8	157.4
8N12W22A 2301.5	Oct. 14	22.6			
	Dec. 7	12.2	8N16W5A 2901.	Jan. 20	198.0
8N12W22B 2302.	Dec. 7	10.0		Mar. 2	197.2
8N12W22C 2301.	Dec. 7	11.0		July 13	197.3
				Oct. 13	196.8
				Nov. 29	197.5

* New elevation; R.P. changed.

a Measurement by United States Geological Survey.

b Dry at 30.3 feet.

c Measurement from United States Geological Survey.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Feet
	1948			1948	
8N16W18A 2995.	Dec. 21	96.2	9N13W20A 2420. <u>+</u>	Mar. 2	73.6
				July 14	80.8
				Oct. 14	82.4
9N12W21A 2332.4	Jan. 21	45.8		Dec. 1	77.7
	Mar. 3	45.2			
	July 14	46.8	9N14W24A	Dec. 1	110.8
	Oct. 14	46.9	2490. <u>+</u>		
	Dec. 6	46.5			

Measurements from Los Angeles County Flood Control District.

CHAPTER IV. PRECIPITATION RECORDS

Monthly records of precipitation for ten United States Weather Bureau Stations and annual records for 281 other stations in the area are presented herewith.

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO
THE DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
5708 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

PRECIPITATION RECORDS

REPLICATION RECORDS

MONTHLY PRECIPITATION RECORDS
FROM U. S. WEATHER BUREAU

P r e c i p i t a t i o n i n I n c h e s

Season and Month	413 <u>Long Beach</u>	2754F <u>Los Angeles</u>	3290 <u>Claremont</u>	4142A <u>Sierra Madre</u>	4832 <u>San Fernando</u>
<u>1947-48</u>					
July	0.00	0.00	0.00	0.00	0.00
Aug.	0.04	0.01	0.04	0.09	0.05
Sept.	0.08	0.09	0.06	0.45	0.11
Oct.	0.15	0.14	0.01	T	0.13
Nov.	T	0.06	0.16	0.01	T
Dec.	1.55	1.62	2.13	2.65	1.64
Jan.	T	T	0.02	0.00	0.00
Feb.	1.16	1.29	2.07	2.38	1.33
Mar.	1.59	3.07	2.85	3.97	2.80
Apr.	1.05	0.78	2.23	2.97	0.87
May	0.00	T	0.09	0.05	0.02
June	0.22	0.16	0.47	0.77	0.54
TOTAL	5.84	7.22	10.13	13.34	7.49
	14552 <u>Santa Ana</u>	15933 <u>Corona</u>	17023 <u>Riverside</u>	17417 <u>Beaumont</u>	18826 <u>San Bernardino (near)</u>
<u>1947-48</u>					
July	0.00	0.00	0.00	0.00	0.00
Aug.	0.10	0.02	T	0.65	0.00
Sept.	0.07	T	0.03	0.21	0.26
Oct.	T	0.00	0.09	0.08	0.09
Nov.	0.78	0.00	0.03	0.00	0.00
Dec.	2.05	1.02	1.78	4.11	1.60
Jan.	0.00	T	0.06	0.00	0.09
Feb.	1.18	2.39	1.76	2.92	2.45
Mar.	1.72	1.29	1.19	2.13	2.66
Apr.	1.62	1.15	0.75	1.05	2.66
May	T	0.15	0.17	0.03	0.30
June	0.13	0.17	0.30	0.36	0.84
TOTAL	7.65	6.19	6.16	11.54	10.95

T - Less than 0.01 inch.

PRECIPITATION RECORDS FOR SEASON 1947-48
 (Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
185	O-6	125	4.39	L.A. Co. F.C.D.
210	N-7	300	4.74	L.A. Co. F.C.D.
327	P-9	110	4.92	U.S.W.B. (San Pedro)
401	N-10	40	6.06	L.A. Co. F.C.D.
403	O-10	30	5.12*	L.A. Co. F.C.D.
403A	O-10	30	5.32	L.A. Co. F.C.D.
413	O-10	40	5.84	U.S.W.B. (Long Beach)
452	N-11	15	6.73	L.A. Co. F.C.D.
453	O-11	15	5.34	L.A. Co. F.C.D.
485	O-12	25	4.99	O. Co. F.C.D.
587	P-14	15	6.36	O. Co. F.C.D.
596	O-14	25	6.39	O. Co. F.C.D.
715	M-7	50	4.69	L.A. Co. F.C.D.
864	M-10	195	6.00	L.A. Co. F.C.D.
985	M-12	45	5.84	L.A. Co. F.C.D.
1014	M-12	50	7.10	L.A. Co. F.C.D.
1030	L-13	85	5.66	L.A. Co. F.C.D.
1081	L-14	90	6.51	L.A. Co. F.C.D.
1099	N-14	60	6.63	O. Co. F.C.D.
1137	M-15	105	6.04	O. Co. F.C.D.
1187	M-16	155	7.35	O. Co. F.C.D.
1199	N-16	140	7.95	O. Co. F.C.D.
1241	I-5	10	6.78	L.A. Co. F.C.D.
1288	K-6	135	5.44	L.A. Co. F.C.D.
1343	J-7	120	5.82	L.A. Co. F.C.D.
1444	J-9	120	5.70	L.A. Co. F.C.D.
1475	K-10	110	5.33	L.A. Co. F.C.D.
1482	J-10	165	6.34	L.A. Co. F.C.D.
1502	J-10	145	6.96	L.A. Co. F.C.D.
1546	K-11	105	7.10	L.A. Co. F.C.D.
1552	J-11	140	8.63	L.A. Co. F.C.D.
1565	K-12	120	8.75	L.A. Co. F.C.D.
1604	J-12	140	9.24	L.A. Co. F.C.D.
1661	J-13	365	8.71	L.A. Co. F.C.D.
1664	J-13	215	8.97	L.A. Co. F.C.D.
1700	I-14	860	10.38	L.A. Co. F.C.D.
1706	K-14	250	7.76*	L.A. Co. F.C.D.
1750	I-15	465	10.46*	L.A. Co. F.C.D.
1757	K-15	285	6.76	O. Co. F.C.D.
1768	K-15	290	6.28	O. Co. F.C.D.
1774	J-15	635	8.84	L.A. Co. F.C.D.
1786	K-16	475	6.97	O. Co. F.C.D.
1862	J-17	765	8.97	L.A. Co. F.C.D.
1901	I-18	975	9.67	O. Co. F.C.D.
1906	K-18	850	8.27	O. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
1933	J-19	1150	8.64	O. Co. F.C.D.
2401	G-3	745	11.13	L.A. Co. F.C.D.
2445	H-3	95	5.90*	L.A. Co. F.C.D.
2508A	I-5	88	6.33	U.S.W.B. (Santa Monica)
2511	G-5	1025	9.57	L.A. Co. F.C.D.
2544	H-5	340	7.19	L.A. Co. F.C.D.
2551	G-6	540	7.78	L.A. Co. F.C.D.
2555	H-5	230	7.35	L.A. Co. F.C.D.
2592	H-6	255	7.49	L.A. Co. F.C.D.
2607	I-7	65	6.55	L.A. Co. F.C.D.
2643	H-7	175	7.46	L.A. Co. F.C.D.
2686	H-8	200	6.48	L.A. Co. F.C.D.
2754	H-9	285	7.29	L.A. Co. F.C.D.
2754F	H-9	312	7.22	U.S.W.B. (Los Angeles)
2755	H-9	260	7.06	L.A. Co. F.C.D.
2870	G-12	485	11.12*	L.A. Co. F.C.D.
2875	H-12	375	8.94	L.A. Co. F.C.D.
2915	H-12	320	10.27	L.A. Co. F.C.D.
2962	G-13	285	10.04	L.A. Co. F.C.D.
3009	I-14	600	9.20	L.A. Co. F.C.D.
3053	H-15	360	9.35	L.A. Co. F.C.D.
3079	I-15	375	9.72	L.A. Co. F.C.D.
3094	H-16	470	9.53	L.A. Co. F.C.D.
3121	G-16	575	7.78	L.A. Co. F.C.D.
3123	H-16	630	9.95	L.A. Co. F.C.D.
3149A	I-17	530	9.43	L.A. Co. F.C.D.
3155	H-17	770	10.59*	L.A. Co. F.C.D.
3160	G-17	805	11.77	L.A. Co. F.C.D.
3190	G-18	1030	10.38	L.A. Co. F.C.D.
3223	H-18	840	9.88	U.S.W.B. (Pomona)
3244	H-19	860	8.81	L.A. Co. F.C.D.
3256	I-19	780	8.85	L.A. Co. F.C.D.
3280	G-19	1165	10.22	L.A. Co. F.C.D.
3290	G-20	1195	10.13	U.S.W.B. (Claremont)
3602	E-3	875	6.72	L.A. Co. F.C.D.
3618	G-3	990	9.85	L.A. Co. F.C.D.
**3673	F-4	815	7.24	L.A. Co. F.C.D.
3685	F-4	1000	7.02	L.A. Co. F.C.D.
3706	F-5	1400	8.43	L.A. Co. F.C.D.
3742	E-5	695	7.85	L.A. D. of W. & P.
3749	G-5	725	8.45	L.A. Co. F.C.D.
3786	F-6	1175	8.97	L.A. Co. F.C.D.
3810	E-7	730	5.58	L.A. Co. F.C.D.
3834	F-7	595	7.42	L.A. Co. F.C.D.
3868	F-8	750	7.77	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

** Incorrectly shown on map as 3763.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
3891	E-8	620	7.50	L.A. Co. F.C.D.
3894	F-8	470	7.47	L.A. Co. F.C.D.
3897	F-8	1025	8.81	L.A. Co. F.C.D.
3906	F-8	1400	9.29	L.A. Co. F.C.D.
3907	F-8	1400	8.89	L.A. Co. F.C.D.
3917	G-9	750	8.87	L.A. Co. F.C.D.
3921A	E-9	1300	9.13	L.A. Co. F.C.D.
3934	F-9	530	8.67	L.A. Co. F.C.D.
3939	G-9	455	7.85	L.A. Co. F.C.D.
3943	E-9	620	8.42	L.A. Co. F.C.D.
4001	E-10	1335	10.52	L.A. Co. F.C.D.
4010	E-10	1155	10.02	L.A. Co. F.C.D.
4023	E-11	1040	10.32	L.A. Co. F.C.D.
4028	G-11	620	8.85	L.A. Co. F.C.D.
4048	G-11	690	9.96	L.A. Co. F.C.D.
4061	E-11	1125	10.58	L.A. Co. F.C.D.
4073	F-12	985	11.83	L.A. Co. F.C.D.
4076	F-12	750	10.81*	L.A. Co. F.C.D.
4087	F-12	670	11.65	L.A. Co. F.C.D.
4092	E-12	1055	11.63	L.A. Co. F.C.D.
4099	G-12	490	11.46*	L.A. Co. F.C.D.
4110	E-12	2515	14.48	L.A. Co. F.C.D.
4111	E-12	1385	12.30	L.A. Co. F.C.D.
4135	F-13	630	11.62	L.A. Co. F.C.D.
4142A	E-13	1120	13.34	L.A. Co. F.C.D.
4152	E-13	1100	13.02	L.A. Co. F.C.D.
4153	E-13	985	12.11	L.A. Co. F.C.D.
4154	F-13	660	11.87*	L.A. Co. F.C.D.
4163	F-13	700	11.07	L.A. Co. F.C.D.
4164	F-13	610	11.24	L.A. Co. F.C.D.
4171A	E-14	1440	12.88	L.A. Co. F.C.D.
4180	E-14	1700	14.83*	L.A. Co. F.C.D.
4195	F-14	600	10.41	L.A. Co. F.C.D.
4195A	F-14	505	11.47	L.A. Co. F.C.D.
4211	E-14	1800	15.26	L.A. Co. F.C.D.
4212	E-14	1375	13.96	L.A. Co. F.C.D.
4230	E-15	2725	18.06	L.A. Co. F.C.D.
4231	E-15	2300	15.35	L.A. Co. F.C.D.
4285	F-16	675	11.42*	L.A. Co. F.C.D.
4293	E-16	800	11.11	L.A. Co. F.C.D.
4294	F-16	750	10.83	U.S.W.B. (San Gabriel Power House)
4296	F-16	600	10.48*	L.A. Co. F.C.D.
4296A	F-16	605	10.84*	U.S.W.B. (Azusa)
4306	F-16	615	10.58	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4309	G-16	545	9.34	L.A. Co. F.C.D.
4331	E-16	1210	12.69	L.A. Co. F.C.D.
4336	F-17	785	11.74	L.A. Co. F.C.D.
4346	F-17	820	12.49*	L.A. Co. F.C.D.
4354	F-17	1200	12.57	L.A. Co. F.C.D.
4383	E-18	1575	15.04	L.A. Co. F.C.D.
4386	F-17	965	12.72	L.A. Co. F.C.D.
4399	G-18	960	10.63	L.A. Co. F.C.D.
4407	F-18	1110	11.10	L.A. Co. F.C.D.
4407A	G-18	1080	10.67	L.A. Co. F.C.D.
4424	F-18	1350	11.72	L.A. Co. F.C.D.
4433	E-18	1500	13.01	L.A. Co. F.C.D.
4444	F-19	1680	11.79	L.A. Co. F.C.D.
4457	F-19	1435	11.13	L.A. Co. F.C.D.
4487	F-19	1405	11.70	L.A. Co. F.C.D.
4505	F-20	1755	13.56	L.A. Co. F.C.D.
4517	G-20	1525	11.26	L.A. Co. F.C.D.
4522	E-20	2500	15.02	U.S.W.B. (Mouth of San Antonio Canyon)
4545	F-21	1785	12.18	J. R. Johnston
4566	F-21	1605	11.74	Liberty Groves Operating Corporation
4687	D-2	900	6.83	L.A. Co. F.C.D.
4694	C-2	965	7.15*	L.A. Co. F.C.D.
4747	D-4	900	7.05	L.A. Co. F.C.D.
4782	C-4	1150	8.62	L.A. Co. F.C.D.
4811	C-5	1150	8.58	L.A. Co. F.C.D.
4832	C-5	960	7.46*	L.A. Co. F.C.D.
4837	D-5	815	7.23	L.A. Co. F.C.D.
4864	C-6	945	7.25	L.A. Co. F.C.D.
4894	C-6	955	7.20	L.A. Co. F.C.D.
4934	C-7	1060	6.72	L.A. Co. F.C.D.
4946	D-7	1000	7.38	L.A. Co. F.C.D.
5014	C-8	1750	9.18	U.S.W.B. (La Crescenta)
5060	C-10	1825	15.14	L.A. Co. F.C.D.
5067	D-9	1565	10.87	L.A. Co. F.C.D.
5076	D-10	2325	12.44	L.A. Co. F.C.D.
5109	E-10	1280	9.75	L.A. Co. F.C.D.
5115	D-11	1820	14.64*	L.A. Co. F.C.D.
5127	D-11	1490	11.07	U.S.W.B. (Arroyo Seco)
5139	E-11	1180	11.29	L.A. Co. F.C.D.
5144	C-11	2980	14.34*	L.A. Co. F.C.D.
5204	C-12	4230	20.16	U.S.W.B. (Opid's Camp)
5224	C-13	3400	19.89*	L.A. Co. F.C.D.
5247	D-13	5650	19.18*	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
5267	D-13	3225	20.00*	L.A. Co. F.C.D.
5269	D-13	2600	20.29	L.A. Co. F.C.D.
5446	D-17	1500	13.75	L.A. Co. F.C.D.
5549	D-19	2700	16.15	L.A. Co. F.C.D.
5646	D-21	4320	19.87	U.S.W.B. (Camp Baldy)
5861	A-4	1245	7.68	L.A. Co. F.C.D.
5872	A-4	1270	7.30*	L.A. Co. F.C.D.
5908	B-5	1225	9.77	L.A. Co. F.C.D.
5922	A-5	1480	9.38	L.A. Co. F.C.D.
5928	B-5	1250	8.42	L.A. Co. F.C.D.
5988	B-6	1455	9.45	L.A. Co. F.C.D.
5999	B-6	1425	9.21*	L.A. Co. F.C.D.
6005	B-7	1700	10.05	L.A. Co. F.C.D.
6289A	B-12	3625	14.21*	L.A. Co. F.C.D.
6355	A-13	4300	11.96	U.S.W.B. (Alder Creek)
6558A	B-17	5735	21.76	L.A. Co. F.C.D.
6569	B-17	4650	17.10	L.A. Co. F.C.D.
6702	A-20	6860	14.97	L.A. Co. F.C.D.
6711	A-20	7500	6.25	L.A. Co. F.C.D.
7017	A-3	1095	6.26	L.A. Co. F.C.D.
13193	Q-14	35	5.74	O. Co. F.C.D.
13301	Q-16	35	5.54	O. Co. F.C.D.
13309	R-16	10	6.96	U.S.W.B. (Newport Beach)
13363	Q-17	65	6.55	O. Co. F.C.D.
13402	Q-18	100	6.09	O. Co. F.C.D.
13406	R-18	300	8.54	O. Co. F.C.D.
13432	Q-19	190	7.57	O. Co. F.C.D.
13480	P-19	445	7.29	O. Co. F.C.D.
13484	Q-19	350	6.31	O. Co. F.C.D.
13499	R-20	375	8.47	O. Co. F.C.D.
13633	Q-22	1100	9.79	O. Co. F.C.D.
14408	P-14	20	6.10	O. Co. F.C.D.
14451	N-15	100	6.90	O. Co. F.C.D.
14549	P-17	55	6.23	O. Co. F.C.D.
14552	O-17	205	7.65	U.S.W.B. (Santa Ana)
14586	O-17	120	6.91	O. Co. F.C.D.
14617	P-18	120	7.35	U.S.W.B. (Tustin, near)
14649	P-19	245	7.92	O. Co. F.C.D.
14673	O-19	1000	8.80	O. Co. F.C.D.
14765	O-21	1500	12.21	O. Co. F.C.D.
14835	O-22	2000	16.94	O. Co. F.C.D.
14902	N-24	1100	8.19	Temescal Water Co.
15420	N-34	1550	7.55	U.S.W.B. (San Jacinto)
15602	L-16	195	7.79	O. Co. F.C.D.
15614	L-16	195	6.82	O. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
15623	L-16	225	8.03	O. Co. F.C.D.
15678	M-17	295	7.81	O. Co. F.C.D.
15679	N-17	285	8.33	O. Co. F.C.D.
15681	L-18	385	7.50	U.S.W.B. (Yorba Linda)
15860	L-21	480	6.48	O. Co. F.C.D.
15903	L-22	840	7.85	Corona Foothill Lemon Co.
15925	M-22	1055	7.85	Corona Foothill Lemon Co.
15926	M-22	1250	10.05	Corona Foothill Lemon Co.
15932	L-22	700	6.25	Temescal Water Co.
15933	L-22	855	6.19	U.S.W.B. (Corona)
15955	M-23	1050	6.46	American Fruit Growers Assn.
16050	L-25	925	4.53*	San Jacinto Land Co.
16240	L-28	1475	5.04	March Air Force Base
16710	I-20	670	8.40	Southern Calif. Edison Co., Ltd.
16801	J-22	655	5.53	John Imbach
16845	K-22	660	5.04	Capt. C. Gully
17023	J-26	895	6.16	U.S.W.B. (Riverside)
17062	J-27	1040	5.59	Riverside Citrus Experiment Station
17342	J-32	2220	10.56	Moreno Mutual Water Co.
17417	K-34	2580	11.54	U.S.W.B. (Beaumont)
17421	J-34	3045	12.84	U.S.W.B. (Beaumont, near)
17608	I-20	710	7.92	American Beet Sugar Co.
17613	H-20	985	8.92	West Ontario Citrus Assn.
17630	G-20	1230	10.95	Mr. Jordan
17653	H-21	1010	8.56	Southern Pacific Company
17674	H-21	930	8.17	Braundale Acres
17860	G-25	1270	9.98	Fontana Farms Co.
17973	H-27	975	6.03	Southern Pacific Co.
17973A	H-27	980	7.13	Colton Police Department
17984	H-27	950	6.97	Southern Calif. Edison Co., Ltd.
18114	H-30	1360	7.35	U.S.W.B. (Redlands)
18194	H-31	2000	9.45	F. B. King
18256	I-33	2650	10.38	R. H. Arnett
18260	G-32	2965	11.98	U.S.W.B. (Mill Creek No. 2)
18351	G-34	5100	21.75	Southern Calif. Edison Co., Ltd.
18507	F-22	1390	11.77	Alta Loma Heights Citrus Assn.
18514	F-22	1845	13.57	Victor Cherbak
18529A	G-22	1215	10.04	Garrett & Co., Inc.
18586	F-23	1425	12.87	W. F. Barnes

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1947-48
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
18642	F-25	1875	16.58	U.S.W.B. (Bennett Ranch)
18679	G-25	1320	10.66	U.S.W.B. (Fontana)
18704	F-26	1590	12.72	So. Calif. Edison Co. Ltd.
18782	E-27	1415	12.59	San Bernardino Water Dept.
18809A	G-28	1030	8.03	San Bernardino Water Dept.
18826	F-28	1170	10.95	U.S.W.B. (San Bernardino, near)
18886	F-28	1345	10.17	Mrs. E. E. Corwin
18906	F-29	1435	11.03	Thomas A. Ewing
18928	G-30	1365	9.74	Gold Buckle Association
18937	G-30	1515	11.02	East Highlands Orange Co.
18999	G-31	2060	12.26	So. Calif. Edison Co. Ltd.
19045	F-32	2765	17.18	U.S.W.B. (Santa Ana River)
19161	E-35	5000	16.19*	U.S.W.B. (Seven Oaks)
19116	D-24	2720	26.08	U.S.W.B. (Lytle Creek Ranger Station)
19449	E-25	2260	19.54	Fontana Union Water Co.
19459	E-25	2250	19.19	U.S.W.B. (Lytle Creek)
19656	D-28	5700	29.08	U.S.W.B. (Squirrel Inn No. 2)
19723	C-30	6250	28.50*	Lake Arrowhead Company
19799	E-31	6230	30.05	California State Division of Highways
19915	D-34	6800	31.89	U.S.W.B. (Big Bear Lake Dam)

* Partially estimated by comparison with nearby stations.

Abbreviations used in "Sources of Information" column:

L.A. Co. F.C.D. Los Angeles County Flood Control District.
 L.A. Dept. W. & P. Los Angeles Department of Water & Power.
 O. Co. F.C.D. Orange County Flood Control District.
 U.S.D.A. United States Department of Agriculture.
 U.S.W.B. United States Weather Bureau.

